



LRRK2

Expressed:

GFP LRRK2 T623A S764A S766A T833A S837A T838A T856A S858A S860A S908 S910A S912A S926A S933A S935A S954A S955A S958A S961A S962A S973A S975A S976A S979A S1124A S1292A

Plasmid:

pcDNA5 FRT/TO GFP LRRK2 T623A S764A S766A T833A S837A T838A T856A S858A S860A S908 S910A S912A S926A S933A S935A S954A S955A S958A S961A S962A S973A S975A S976A S979A S1124A S1292A

Parent Plasmid:

pcDNA5 FRT/TO GFP

DU Number:

DU62690

Species:

Human

Synonyms:

Sequence of Insert:

**GGATCCATGGCTAGTGGCAGCTGTCAGGGGTGCGAAGAGGACGAGGAACTCTGAAGAAGTTG
ATAGTCAGGCTGAACAATGTCCAGGAAGGAAAACAGATAGAAACGCTGGTCCAAATCCTGGAG
GATCTGCTGGTGTTCACGTA C TCCGAGCACGCCTCCAAGTTATTTCAAGGCAAAAATATCCATGT
GCCTCTGTTGATCGTCTTGGACTCCTATATGAGAGTCGCGAGTGTGCAGCAGGTGGGTTGGTCA
CTTCTGTGCAAATTAATAGAAGTCTGTCCAGGTACAATGCAAAGCTTAATGGGACCCCAGGATG
TTGGAAATGATTGGGAAGTCCTTGGTGTTCACCAATTGATTCTTAAAATGCTAACAGTTCATAAT
GCCAGTGTA AACTTGT CAGTGATTGGACTGAAGACCTTAGATCTCCTCCTAACTTCAGGTAAAT
CACCTTGCTGATATTGGATGAAGAAAGTGATATTTTCATGTTAATTTTTGATGCCATGCACTCATT
TCCAGCCAATGATGAAGTCCAGAACTTGGATGCAAAGCTTTACATGTGCTGTTTGAGAGAGTCT
CAGAGGAGCAACTGACTGAATTTGTTGAGAACAAGATTATATGATATTGTTAAGTGCGTTAACA
AATTTTAAAGATGAAGAGGAAATTGTGCTTCATGTGCTGCATTGTTTACATTCCCTAGCGATTCT
TGCAATAATGTGGAAGTCCTCATGAGTGGCAATGTCAGGTGTTATAATATTGTGGTGGAAAGCTAT
GAAAGCATTCCCTATGAGTGAAAGAATTCAAGAAGTGAGTTGCTGTTTGCTCCATAGGCTTACAT
TAGGTAATTTTTCAATATCCTGGTATTAACGAAGTCCATGAGTTTGTGGTGAAGCTGTGCAG
CAGTACCCAGAGAATGCAGCATTGCAGATCTCAGCGCTCAGCTGTTTGGCCCTCCTCACTGAGA
CTATTTTCTTAAATCAAGATTTAGAGGAAAAGAATGAGAATCAAGAGAATGATGATGAGGGGGA
AGAAGATAAATTGTTTTGGCTGGAAGCCTGTTACAAAGCATTAACTGGCATAGAAAGAACAAG
CACGTGCAGGAGGCCGCATGCTGGGCACTAAATAATCTCCTTATGTACCAAACAGTTTACATG
AGAAGATTGGAGATGAAGATGGCCATTTCCAGCTCATAGGGAAGTGATGCTCTCCATGCTGAT
GCATTCTTCATCAAAGGAAGTTTTCCAGGCATCTGCGAATGCATTGTCAACTCTCTTAGAACAAA
ATGTTAATTTAGAAAATACTGTTATCAAAGGAATACACCTGAATGTTTTGGAGTTAATGCAG
AAGCATATACATTCTCCTGAAGTGGCTGAAAGTGGCTGAAAATGCTAAATCATCTTTTTGAAGG
AAGCAACTTCCCTGGATATAATGGCAGCAGTGGTCCCCAAAATACTAACAGTTATGAAACGT**

CATGAGACATCATTACCAGTGCAGCTGGAGGCGCTTCGAGCTATTTTACATTTTATAGTGCCTGG
CATGCCAGAAGAATCCAGGGAGGATACAGAATTTTCATCATAAGCTAAATATGGTTAAAAAACAG
TGTTTCAAGAATGATATTCACAAACTGGTCTTAGCAGCTTTGAACAGGTTTCATTGGAAATCCTGG
GATTCAGAAATGTGGATTAAGTAATTTCTTCTATTGTACATTTTCTGATGCATTAGAGATGTT
ATCCCTGGAAGGTGCTATGGATTCAGTGCTTCACACACTGCAGATGTATCCAGATGACCAAGAA
ATTCAGTGTCTGGGTTTAAGTCTTATAGGATACTTGATTACAAAGAAGAATGTGTTTCATAGGAGC
TGGACATCTGCTGGCAAAAATTCTGGTTTCCAGCTTATACCGATTTAAGGATGTTGCTGAAATAC
AGACTAAAGGATTTTCAGACAATCTTAGCAATCCTCAAATTGTCAGCATCTTTTTCTAAGCTGCTG
GTGCATCATTTCATTTGACTTAGTAATATTCCATCAAATGTCTTCCAATATCATGGAACAAAAGGAT
CAACAGTTTCTAAACCTCTGTTGCAAGTGTGTTGCAAAAAGTAGCTATGGATGATTACTTAAAAAAT
GTGATGCTAGAGAGAGCGTGTGATCAGAATAACAGCATCATGGTTGAATGCTTGCTTCTATTGG
GAGCAGATGCCAATCAAGCAAAGGAGGGATCTTCTTTAATTTGTCAGGTATGTGAGAAAGAGAG
CAGTCCCAAATTGGTGGAACTCTTACTGAATGCTGGAGCTCGTGAACAAGATGTACGAAAAGCG
TTGACGATAAGCATTGGGAAAGGTGACAGCCAGATCATCAGCTTGCTCTTAAGGAGGCTGGCCC
TGGATGTGGCCAACAATAGCATTGCTTGGAGGATTTTGTATAGGAAAAGTTGAACCTTCTTGG
CTTGGTCTTTATTTCCAGATAAGACTTCTAATTTAAGGAAAACAAGCAAATATAGCAGCTGCACT
AGCAAGAATGGTGTATCAGATATCAGATGAAAAGTGCTGTGGAAGAAGGAGCAGCCGCAGGCGC
CGATGGAAATTTTTCTGAAGATGTGCTGTCTAAATTTGATGAATGGACCTTTATTCCTGACTCTTC
TATGGACAGTGTGTTTGTCTCAAAGTGATGACCTGGATAGTGAAGGAAGTGAAGGCTCATTCTTG
TGAAAAGAAAGCTAATGCAATTGCTGTAGGAGAATTTTACCGAGATGCCGTATTACAGCGTTG
CGCACCAAATTTGCAAAGACATGCCAATGCCTTGGGGCCCATTTTTGATCATGAAGATTTACTGA
AGCGAAAAGAAAATACTAGCTGCAGATGATGCACTCAGGGCAGCAAACTTCAATCCCATAT
GAGGCATTCAGACGCCATTGCCGCTCTGGCTGCTGAGAGAGAATATATTACATCACTAGACCTT
TCAGCAAATGAACTAAGAGATATTGATGCCCTAAGCCAGAAATGCTGTATAAGTGTTTCATTTGGA
GCATCTTGAAAAGCTGGAGCTTCACCAGAATGCACTCACGAGCTTCCACAACAGCTATGTGAA
ACTCTGAAGAGTTTGACACATTTGGACTTGACACAGTAATAAATTTACATCATTTCCTTCTTATTG
TTGAAAATGAGTTGTATTGCTAATCTTGATGTCTCTCGAAATGACATTGGACCCTCAGTGGTTTTA
GATCCTACAGTGAAATGTCCAACCTCTGAAACAGTTTAACTGTGCATATAACCAGCTGTCTTTTGT
ACCTGAGAACCTCACTGATGTGGTAGAGAACTGGAGCAGCTCATTTTAGAAGGAAATAAAATA
TCAGGGATATGCGCCCCCTTGAGACTGAAGGAACTGAAGATTTTAAACCTTAGTAAGAACCACA
TTTCATCCCTATCAGAGAACTTTCTTGAGGCTTGTCTAAAGTGAGAGTTTCAGTGCCAGAATG
AATTTTCTTGCTGCTATGCCTTTCTTGCCTCCTTCTATGACAATCCTAAAATTATCTCAGAACAAT
TTTCTGTATTCCAGAAGCAATTTTAAATCTTCCACACTTGCAGTCTTTAGATATGAGCAGCAATG
ATATTCAGTACCTACCAGGTCCCGCACACTGGAAATCTTTGAACTTAAAGGAACTCTTATTTAGC
CATAATCAGATCAGCATCTTGGACTTGAGTGAAAAGCATATTTATGGTCTAGAGTAGAGAACT
GCATCTTTCTCACAATAAACTGAAAGAGATTCTCCTGAAATTGGCTGTCTTGAAAATCTGACAT
CTCTGGATGTCAGTTACAACCTTGGAACTAAGATCCTTTCCCAATGAAATGGGGAAATTAGCTAAA
ATATGGGATCTTCTTTGGATGAACTGCATCTTAACTTTGATTTTAAACATATAGGATGTAAAGCC
AAAGACATCATAAGGTTTCTTCAACAGCGATTAAAAAAGGCTGTGCCTTATAACCGAATGAACT
TATGATTGTGGGAAATACTGGGAGTGGTAAAACCACCTTATTGCAGCAATTAATGAAAACCAAG
AAATCAGATCTTGAATGCAAAGTGCCACAGTTGGCATAGATGTGAAAGACTGGCCTATCCAAA
TAAGAGACAAAAGAAAGAGAGATCTCGTCCTAAATGTGTGGGATTTTGCAGGTCGTGAGGAATT
CTATAGTACTCATCCCCATTTATGACGCAGCGAGCATTGTACCTTGCTGTCTATGACCTCAGCA
AGGGACAGGCTGAAGTTGATGCCATGAAGCCTTGGCTCTTCAATATAAAGGCTCGCGCTTCTTC
TTCCCCTGTGATTCTCGTTGGCACACATTTGGATGTTTCTGATGAGAAGCAACGCAAAGCCTGCA
TGAGTAAAATACCAAGGAACTCCTGAATAAGCGAGGGTTCCCTGCCATACGAGATTACCACTT
TGTGAATGCCACCGAGGAATCTGATGCTTTGGCAAAACTTCGGAAAACCATCATAAACGAGAGC
CTTAATTTCAAGATCCGAGATCAGCTTGTGTTGGACAGCTGATTCCAGACTGCTATGTAGAAT
TGAAAAAATCATTTTATCGGAGCGTAAAAATGTGCCAATTGAATTTCCCGTAATTGACCGGAAAC
GATTATTACAAC TAGTGAGAGAAAATCAGCTGCAGTTAGATGAAAATGAGCTTCTCACGCAGTT
CACTTTCTAAATGAATCAGGAGTCTTCTTCAATTTCAAGACCCAGCACTGCAGTTAAGTGACTT
GTACTTTGTGGAACCCAAGTGGCTTTGTAATAATCATGGCACAGATTTTGACAGTGAAAGTGGAA
GGTTGTCCAAAACACCCTAAGGGAATTATTTGCGGTAGAGATGTGGAAAAATTTCTTTCAAAGAA
AAGGAAATTTCCAAAGAACTACATGACACAGTATTTAAGCTCCTAGAAAAATTCAGATTGCTT

TGCCAATAGGAGAAGAATATTTGCTGGTTCCAAGCAGTTTGTCTGACCACAGGCCTGTGATAGA
GCTTCCCCATTGTGAGAAGCTCTGAAATTATCATCCGACTATATGAAATGCCTTATTTTCCAATGGG
ATTTTGGTCAAGATTAATCAATCGATTACTTGAGATTTACACCTTACATGCTTTCAGGGAGAGAAC
GAGCACTTCGCCCAAACAGAATGTATTGGCGACAAGGCATTTACTTAAATTGGTCTCCTGAAGCT
TATTGTCTGGTAGGATCTGAAGTCTTAGACAATCATCCAGAGAGTTTCTTAAAAATTACAGTTCCT
TCTTGTAGAAAAGGCTGTATTCTTTTGGGCCAAGTTGTGGACCACATTGATTCTCTCATGGAAGA
ATGGTTTCTGGGTTGCTGGAGATTGATATTTGTGGTGAAGGAGAAACTCTGTTGAAGAAATGG
GCATTATATAGTTTAAATGATGGTGAAGAACATCAAAAAATCTTACTTGATGACTTGATGAAGAA
AGCAGAGGAAGGAGATCTCTTAGTAAATCCAGATCAACCAAGGCTCACCATTCCAATATCTCAG
ATTGCCCTGACTTGATTTTGGCTGACCTGCCTAGAAATATTATGTTGAATAATGATGAGTTGGA
ATTTGAACAAGCTCCAGAGTTTCTCCTAGGTGATGGCAGTTTTGGATCAGTTTACCGAGCAGCCT
ATGAAGGAGAAGAAGTGGCTGTGAAGATTTTAAATAAACATACATCACTCAGGCTGTTAAGACA
AGAGCTTGTGGTGCTTTGCCACCTCCACCACCCAGTTTGATATCTTTGCTGGCAGCTGGGATTC
GTCCCCGGATGTTGGTGAAGTATGAGTTCAGCTCCAAGGGTTCCTTGGATCGCCTGCTTCAGCAGGA
CAAAGCCAGCCTCACTAGAACCCTACAGCACAGGATTGCACTCCACGTAGCTGATGGTTTGAGA
TACCTCCACTCAGCCATGATTATATACCGAGACCTGAAACCCACAATGTGCTGCTTTTCACACT
GTATCCCAATGCTGCCATCATTGCAAAGATTGCTGACTACGGCATTGCTCAGTACTGCTGTAGAA
TGGGGATAAAAACATCAGAGGGCACACCAGGGTTTCGTGCACCTGAAGTTGCCAGAGGAAATG
TCATTTATAACCAACAGGCTGATGTTTATTCAATTGGTTTACTACTCTATGACATTTTGACAACCTG
GAGGTAGAATAGTAGAGGGTTTGAAGTTTCAAATGAGTTTGATGAATTAGAAATACAAGGAAA
ATTACCTGATCCAGTTAAAGAATATGGTTGTGCCCATGGCCTATGGTTGAGAAATTAATTAAC
AGTGGTTGAAAGAAAATCCTCAAGAAAGGCTACTTCTGCCCAGGTCTTTGACATTTTGAATTCA
GCTGAATTAGTCTGTCTGACGAGACGCATTTTATTACCTAAAACGTAATTGTTGAATGCATGGT
TGCTACACATCACAAACAGCAGGAATGCAAGCATTGGCTGGGCTGTGGGCACACCCGACAGAGG
ACAGCTCTCATTCTTGACTTAAATACTGAAGGATACACTTCTGAGGAAGTTGCTGATAGTAGAA
TATTGTGCTTAGCCTTGGTGCATCTTCTGTTGAAAAGGAAAGCTGGATTGTGTCTGGGACACAG
TCTGGTACTCTCCTGGTCATCAATACCGAAGATGGGAAAAAGAGACATACCCTAGAAAAGATGA
CTGATTCTGTCACTTGTGTTGATTGCAATTCCTTTTCAAAGCAAAGCAAACAAAAAATTTTCTTTT
GGTTGGAACCGCTGATGGCAAGTTAGCAATTTTGAAGATAAGACTGTTAAGCTTAAAGGAGCT
GCTCCTTTGAAGATACTAAATATAGGAAATGTGAGTACTCCATTGATGTGTTTGAAGTGAATCCAC
AAATTCACGGAAAGAAATGTAATGTGGGGAGGATGTGGCACAAGATTTTCTCCTTTTCTAATG
ATTTACCATTGAGAACTCATTGAGACAAGAACAAGCCAACTGTTTTCTTATGCAGCTTTTCACT
GATTCCAACATCATAACAGTGGTGGTAGACACTGCTCTCTATATTGCTAAGCAAATAGCCCTGT
TGTGGAAGTGTGGGATAAGAAAACCTGAAAACCTCTGTGGACTAATAGACTGCGTGCACCTTTTA
AGGGAGGTAATGGTAAAAGAAAACAAGGAATCAAACACAAAATGTCTTATTCTGGGAGAGTGA
AAACCCTCTGCCTTCAGAAGAACACTGCTCTTTGGATAGGAACTGGAGGAGGCCATATTTTACTC
CTGGATCTTTCAACTCGTTCGACTTATACGTGTAATTTACAACCTTTTGAATTCGGTTCAGAGTCATG
ATGACAGCACAGCTAGGAAGCCTTAAAATGTCATGCTGGTATTGGGCTACAACCGGAAAAATA
CTGAAGGTACACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGTTTGGGACATCAATCTTCC
ACATGAAGTGCAAATTTAGAAAACACATTGAAGTGAGAAAAGAATTAGCTGAAAAAATGAGA
CGAACATCTGTTGAGTAAGAGAGAAATAGGCGGCCGC

Amino Acid Sequence:

MVSKGEELFTGVVPIVVELDGDVNGHKFSVSGEGEDATYGKLTCLKFICTTGKLPVPWPTLVTTLTYG
VQCFSRYPDHMKQHDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTLVNRIELKIDFKEDG
NILGHKLEYNYNVYIMADKQKNGIKVNFKIRHNIEDGSVQLADHYQQNTPIGDGPVLLPDNHVLS
QSALSKDPNEKRDHMLLEFVTAAGITLGMDELKSGLSMASGSCQGEDEETLKKLIVRLNNVQ
EGKQIETLVQILEDLLVFTYSEHASKLFQGNHIVPLLVLDVSYMRVASVQQVGSLLCKLIEVCPGTM
QSLMGPQDVGNDWEVLGVHQLILKMLTVHNASVNLVIGLKTLDLLTSGKITLLILDEESDIFMLIFDA
MHSFPANDEVQKLGCKALHVLFRVSEEQLTEFVENKDYMILLSALTNFKDEEIVLHVLHCLHSLAIP
CNNVEVLMMSGNVRVYVIVVEAMKAFPMSEIRIQEVSCLLHRLTLGNFFNILVLNEVHEFVVKAVQQYP
ENAALQISALSCLALLTETIFLNQDLEEKNNQENDDEGEEDKLFWLEACYKALTWRKKNKHVQEA
CWALNNLLMYQNSLHEKIGDEDGHFPAHREVMLSMLMHSSSKEVFQASANALSTLLEQNVNFRKILL
SKGIHLNVLELMQKHIHSPEVAESGCKMLNHLFEGSNTSLDIMAAVVPKILTVMKRHETSLPVQLEAL

RAILHFIVPGMPEESREDTEFHKLNMVKKQCFKNDIHKLVLAALNRFIGNPGIQKCGLKVISSIVHFPD
ALEMLSLEGAMDSVLHTLQMPYDQEIQCLGLSLIGYLITKKNVFIGAGHLLAKILVSSLYRFKDVAEI
QTKGFQTLAILKLSASFSLLVHHSFDLVIFHQMSSNIMEQKDQQFLNLCCCKCFAKVAMDDYLKNVM
LERACDQNNSIMVECLLLL GADANQAKEGSSLICQVCEKESSPKLVELLLNAGAREQDVRKALTISIG
KGDSQIISLLLRRALDVANNSICLGGFCIGKVEPSWLGPLFPDKTSNLRKQANIAAALARMVIRYQM
KSAVEEGAAAGADGNFSEDVLSKFDEWTFIPDSSMDSVFAQSDDL DSEGSEGSFLVKKKANAI AVG
EFYRDAVLQRCAPNLQRHANALGPIFDHEDLLKRKRKILAADDALRAAKLQSHMRHSDAIAALAAER
EYITSLDLSANELRDIDALSQKCCISVHLEHLEKLELHQNALTSFPQQLCETLKSLTHLDLHSNKFTSF
PSYLLKMSCIANLDVSRNDIGPSVVDPTVKCPTLKQFNLSYNQLSFVPENLTDVVEKLEQLILEGNI
SGICAPLRLKELKILNLSKNHISSLENFLEACP KVESFSARMNFLAAMPFLPPSMTILKLSQNKFCIP
EAILNPLHLRSLDMSSNDIQYLPGPAHWKSLNLRRELLFSHNQISILDLEKAYLWSRVEKLHLSHNKL
KEIPPEIGCLENLTSLDVSYNLELRSFPNEMGKLAKIWDLPDELHLNFDKFKHIGCKAKDIIRFLQQRK
KAVPYNRMKLMIVGNTGSGKTTLLQQLMKT KSDLGMQSATV GIDVKDWPIQIRDKRKRDLVLNVW
DFAGREEFYSTHPHMTQRALYLAVYDL SKGQAEVDAMKPWLFNIKARASSSPVILVGTHLDVSDEK
QRKACMSKITKELLNKRGFPAIRDYHFVNATEESDALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVEL
EKIILSERKNVPIEFVIDRKRLLQLVRENQLQLDENELPHAVHFLNESGVLLHFQDPALQLSDLYFVE
PKWLCKIMAQILTVKVEGCPKHPKGIISRRDVEKFLSKKRKFPKNYMTQYFKLLEKFQIALPIGEEYLL
VPSSLSDRHPVIELPHCENSEIIIRLYEMPYFPMGFWSRLINRLLLEISPYMLSGRERALRPNRMYWRQG
IYLNWSPEAYCLVGSEVLDNHPESFLKITVPSCRKGCILLGQVVDHIDSLMEEWFPGLLEIDICGEGET
LLKKWALYSFNDGEEHQKILLDDLMKKAEEGDLLVNPDQPRLTIPISQIAPDLILADLPRNIMLNDEL
EFEQAPEFLLGDGSFGSVYRAAYEGEEVAVKIFNKHTSLRLLRQELVVLCHLHHPSLISLLAAGIRPR
MLVMELASKGSLDRLLQQDKASLTRTLQHRIALHVADGLRYLHSAMIYRDLKPHNVLLFTLYPNAII
AKIADYGIAQYCCRMGIKTSEGTPGFRAPEVARGNVIYNQQADVVSFGLLLYDILTGGRIVEGLKFPN
EFDELEIQGKLPDPVKEYGCAPWPMVEKLIKQCLKENPQERPTSAQVFDILNSAELVCLTRRILLPN
VIVECMVATHHNSRNASIWLGC GHTDRGQLSFLDLNTEGYTSEEVADSRILCLALVHLPVEKESWIVS
GTQSGTLLVINTEDGKKRHTLEKMTDSVTCLYCNSFSKQSKQKNFLLVGTADGKLAIFEDKTVKLG
AAPLKILNIGNVSTPLMCLSESTN STERNVMWGGCGTKIFSFSNDFTIQKLIETRTS QLFSYA AFSDSNI
ITVVVDTALYIAKQNSPVVEVWDKKTEKLCGLIDCVHFLREVMVKENKESKHKMSYSGRVKTLCCLQK
NTALWIGTGGGHILLDLSTRRLIRVIYNFCNSVRVMMTAQLGSLKNVMLVLGYNRKNTEGTQKQKEI
QSCLTVWDINLPHEVQNLEKHIEVRKELAEKMRRTSVE*

Antibiotic:
Amp

Comments:
2 silent mutations G1624 K1637 Grow at or below 30°C Contains SNP S1647T

Price per aliquot:
£110.00