



LRRK2

Expressed:

GFP LRRK2 H970-end T1404A

Plasmid:

pcDNA5D FRT/TO GFP LRRK2 H970-end T1404A

Parent Plasmid:

pcDNA5D FRT/TO GFP

DU Number:

DU27080

Species:

Human

Synonyms:

Sequence of Insert:

**CATTCAGACAGCATTCTTCTCTGGCTTCTGAGAGAGAATATATTACATCACTAGACCTTTCAGC
AAATGAACTAAGAGATATTGATGCCCTAAGCCAGAAATGCTGTATAAGTGTTTCATTTGGAGCATC
TTGAAAAGCTGGAGCTTCACCAGAATGCACTCACGAGCTTCCACAACAGCTATGTGAAACTCT
GAAGAGTTTGACACATTTGGACTTGCACAGTAATAAATTTACATCATTTCCTTCTTATTTGTTGAA
AATGAGTTGTATTGCTAATCTTGATGTCTCTCGAAATGACATTGGACCCTCAGTGGTTTTAGATCC
TACAGTGAAATGTCCAACCTCTGAAACAGTTTAACTGTTCATATAACCAGCTGTCTTTTGTACCTG
AGAACCTCACTGATGTGGTAGAGAACTGGAGCAGCTCATTTTAGAAGGAAATAAAATATCAGG
GATATGCTCCCCCTTGAGACTGAAGGAACTGAAGATTTTAACTTAGTAAGAACCACATTTTCAT
CCCTATCAGAGAACTTTCTTGAGGCTTGTCTTAAAGTGGAGAGTTTCAGTGCCAGAATGAATTTT
CTTGCTGCTATGCCTTTCTTGCCTCCTTCTATGACAATCCTAAAATTATCTCAGAACAAATTTTCT
GTATTCCAGAAGCAATTTTAAATCTTCCACACTTGGCGTCTTTAGATATGAGCAGCAATGATATTC
AGTACCTACCAGGTCCCGCACACTGGAAATCTTTGAACTTAAGGGAACCTTATTTAGCCATAAT
CAGATCAGCATCTTGGACTTGAGTGAAAAAGCATATTTATGGTCTAGAGTAGAGAACTGCATCT
TTCTCACAATAAACTGAAAGAGATTCTCCTGAGATTGGCTGTCTTGAAAATCTGACATCTCTGG
ATGTCAGTTACAACCTTGGAACTAAGATCCTTTCCCAATGAAATGGGGAAATTAAGCAAATATGG
GATCTTCTTTGGATGAACTGCATCTTAACTTTGATTTTAAACATATAGGATGTAAAGCCAAAGAC
ATCATAAGGTTTCTTCAACAGCGATTAATAAAAGGCTGTGCCTTATAACCGAATGAACTTATGAT
TGTGGGAAATACTGGGAGTGGTAAAACCACCTTATTGCAGCAATTAATGAAAACCAAGAAATCA
GATCTTGGAAATGCAAAGTGCCACAGTTGGCATAGATGTGAAAGACTGGCCTATCCAAATAAGAG
ACAAAAGAAAGAGAGATCTCGTCCTAAATGTGTGGGATTTTGCAGGTCGTGAGGAATTCTATAG
TGCTCATCCCCATTTTATGACGCAGCGAGCATTGTACCTTGCTGTCTATGACCTCAGCAAGGGAC
AGGCTGAAGTTGATGCCATGAAGCCTTGGCTCTTCAATATAAAGGCTCGCGCTTCTTCTTCCCCT
GTGATTCTCGTTGGCACACATTTGGATGTTTCTGATGAGAAGCAACGCAAAGCCTGCATGAGTA
AAATCACCAAGGAACTCCTGAATAAGCGAGGGTTCCCTGCCATACGAGATTACCACTTTGTGAA
TGCCACCGAGGAATCTGATGCTTTGGCAAACTTCGGAAAACCATCATAACGAGAGCCTTAAT
TTCAAGATCCGAGATCAGCTTGTTGTTGGACAGCTGATTCCAGACTGCTATGTAGAACTTGAAAA
AATCATTTTATCGGAGCGTAAAAATGTGCCAATTGAATTTCCCGTAATTGACCGGAAACGATTAT**

TACAAC TAGTGAGAGAAAATCAGCTGCAGTTAGATGAAAATGAGCTTCCTCACGCAGTTCACTTT
CTAAATGAATCAGGAGTCCTTCTTCATTTTCAAGACCCAGCACTGCAGTTAAGTGACTTGTACTTT
GTGGAACCCAAGTGGCTTTGTAATAATCATGGCACAGATTTTGACAGTGAAAGTGGAAGGTTGTC
CAAAACACCCTAAGGGAATTATTTTCGCGTAGAGATGTGGAAAAATTTCTTTCAAAGAAAAGGAA
ATTTCCAAAGAACTACATGACACAGTATTTAAGCTCCTAGAAAAATTCAGATTGCTTTGCCAA
TAGGAGAAGAATATTTGCTGGTTCCAAGCAGTTTGTCTGACCACAGGCCTGTGATAGAGCTTCC
CCATTGTGAGAACTCTGAAATTATCATCCGACTATATGAAATGCCTTATTTTCCAATGGGATTTTG
GTCAAGATTAATCAATCGATTACTTGAGATTTACCTTACATGCTTTCAGGGAGAGAACGAGCAC
TTCGCCCAAACAGAATGTATTGGCGACAAGGCATTTACTTAAATTGGTCTCCTGAAGCTTATTGT
CTGGTAGGATCTGAAGTCTTAGACAATCATCCAGAGAGTTTCTTAAAAATTACAGTTCTTCTTGT
AGAAAAGGCTGTATTCTTTTGGGCCAAGTTGTGGACCACATTGATTCTCTCATGGAAGAATGGTT
TCCTGGGTTGCTGGAGATTGATATTTGTGGTGAAGGAGAACTCTGTTGAAGAAATGGGCATTAT
ATAGTTTTAATGATGGTGAAGAACATCAAAAAATCTTACTTGATGACTTGATGAAGAAAGCAGAG
GAAGGAGATCTCTTAGTAAATCCAGATCAACCAAGGCTCACCATTCCAATATCTCAGATTGCCCC
TGACTTGATTTTGGCTGACCTGCCTAGAAATATTATGTTGAATAATGATGAGTTGGAATTTGAACA
AGCTCCAGAGTTTCTCCTAGGTGATGGCAGTTTTGGATCAGTTTACCGAGCAGCCTATGAAGGA
GAAGAAGTGGCTGTGAAGATTTTTAATAAACATACATCACTCAGGCTGTTAAGACAAGAGCTTGT
GGTCTTTGCCACCTCCACCACCCAGTTTGATATCTTTGCTGGCAGCTGGGATTCTGCCCGGA
TGTTGGTGTGAGTTAGCCTCCAAGGGTTCTTGGATCGCCTGCTTCAGCAGGACAAAGCCAG
CCTCACTAGAACCCTACAGCACAGGATTGCACTCCACGTAGCTGATGTTTTGAGATACCTCCAC
TCAGCCATGATTATACCGAGACCTGAAACCCACAATGTGCTGCTTTTCACACTGTATCCCAA
TGCTGCCATCATTGCAAAGATTGCTGACTACGGCATTGCTCAGTACTGCTGTAGAATGGGGATA
AAAACATCAGAGGGCACACCAGGGTTTCGTGCACCTGAAGTTGCCAGAGGAAATGTCATTTATA
ACCAACAGGCTGATGTTTATTCATTTGGTTTACTACTCTATGACATTTTGACAACCTGGAGGTAGAA
TAGTAGAGGGTTTGAAGTTTCAAATGAGTTTGATGAATTAGAAATACAAGGAAAATTACCTGAT
CCAGTTAAAGAATATGGTTGTGCCCCATGGCCTATGGTTGAGAAATTAATTAACAGTGTTTGAA
AGAAAATCCTCAAGAAAGGCCTACTTCTGCCAGGTCTTTGACATTTTGAATTCAGCTGAATTAG
TCTGTCTGACGAGACGCATTTTATTACCTAAAAACGTAATTGTTGAATGCATGGTTGCTACACAT
CACAACAGCAGGAATGCAAGCATTGGCTGGGCTGTGGGCACACCGACAGAGGACAGCTCTCA
TTTCTTGACTTAAATACTGAAGGATACACTTCTGAGGAAGTTGCTGATAGTAGAATATTGTGCTTA
GCCTTGGTGCATCTTCTGTTGAAAAGGAAAGCTGGATTGTGTCTGGGACACAGTCTGGTACTCT
CCTGGTCATCAATACCGAAGATGGGAAAAGAGACATACCCTAGAAAAGATGACTGATTCTGTC
ACTTGTGTTGATTGCAATTCCTTTTCCAAGCAAAGCAAACAAAAAATTTTCTTTTGGTTGGAACC
GCTGATGGCAAGTTAGCAATTTTTGAAGATAAGACTGTTAAGCTTAAAGGAGCTGCTCCTTTGAA
GATACTAAATATAGGAAATGTCAGTACTCCATTGATGTGTTTGAAGTGAATCCACAAATTCAACGG
AAAGAAATGTAATGTGGGGAGGATGTGGCACAAAGATTTTCTCCTTTTCTAATGATTTACCATT
CAGAAACTCATTGAGACAAGAACAAGCCAACCTGTTTTCTTATGCAGCTTTCAGTGATTCCAACAT
CATAACAGTGGTGGTAGACACTGCTCTCTATATTGCTAAGCAAATAGCCCTGTTGTGGAAGTGT
GGGATAAGAAAACCTGAAAACCTCTGTGGACTAATAGACTGCGTGCACCTTTTAAAGGAGGTAAT
GGTAAAAGAAAACAAGGAATCAAACACAAAATGTCTTATTCTGGGAGAGTGAAAACCCTCTGC
CTTCAGAAGAACACTGCTCTTTGGATAGGAACTGGAGGAGGCCATATTTTACTCCTGGATCTTTC
AACTCGTCGACTTATACGTGTAATTTACAACCTTTTGAATTCGGTCAGAGTCATGATGACAGCAC
AGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTGGGCTACAACCGGAAAAATACTGAAGGTAC
ACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGTTTGGGACATCAATCTTCCACATGAAGTG
CAAAATTTAGAAAACACATTGAAGTGAGAAAAGAATTAGCTGAAAAAATGAGACGAACATCTG
TTGAGTAAGAGAGAAATAGGCGGCCGC

Amino Acid Sequence:

MVSKGEELFTGVVPIVELDGDVNGHKFSVSGEGEDATYGKLTCLKFICTTGKLPVPWPTLVTTLYG
VQCFSTRYPDHMKQHDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGLTLVNRIELKIDFKEDG
NILGHKLEYNYNSHNVYIMADKQKNGIKVNFKIRHNIEDGSVQLADHYQQNTPIGDGPVLLPDNHYST
QSALSKDPNEKRDHMLLEFVTAAGITLGMDELYKSLGSHSDSISLASEREYITSLDLSANELRDID
ALSQKCCISVHLEHLEKLELHQNALTSFPQQLCETLKSLTHLDLHSNKFTSFPSYLLKMSCIANLDVS
RNDIGPSVVDPTVKCPTLKQFNLSYNQLSFVPENLTDVVEKLEQLILEGNKISGICSPLRLKELKILNL

SKNHISLSENFLEACP KVESFSARMNFLAAMPFLPPSMTILKLSQNKFSCIPAILNLPHLRSLDMSS
NDIQYLPGPAHWKSLNLRRELLFSHNQISILDSEKAYLWSRVEKHLHSHNKLKEIPPEIGCLENLTSLD
VSYNLELRSPFNEMGKLSKIWDLPLDELHLNFDKFKHIGCKAKDIIRFLQRLKKA VYPYRMKLMIVGN
TGS GKTLLQQLMKT KSDLGMSATVGDVVDWPIQIRDKRKRDLV LNVWDFAGREEFYSAHPHF
MTQRALYLAVYDLSKGQAEVDAMKPWLFNIKARASSSPVILVGT HLDVSEDEKQRKACMSKITKELLN
KRGFPAIRDYHFVNATEESDALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFP
VIDRKRLQLVRENQLQLDENELPHAVHFLNESGVLLHFQDPALQLSDLYFVEPKWLCKIMAQILTVK
VEGCPKHPKGIISRRDVEKFLSKKRKFPKNYMTQYFKLLEKFKIALPIGEEYLLVPSSLS DHRPVIELP
HCENSEIIRLYEMPYFPMGFWSRLINRLLLEISPYMLSGRERALRPNRMYWRQGIYLNWSPEAYCLVG
SEVLDNHPESFLKITVPSCRKGCILLGQVVDHIDSLMEEWFPGLLEIDICGEGETLLKKWALYSFNDGE
EHQKILLDDLMKKAEEGDLLVNPDPRLTIPISQIAPDLILADLPRNIMLNDELEFEQAPEFLLGDGSF
GSVYRAAYEGEEVAVKIFNKHTSLRLLRQELVVLCHLHHPSLISLLAAGIRPRMLVMELASKGSLDRL
LQQDKASLTRLQHRIALHVADGLRYLHSAMIIYRDLKPHNVLLFTLYPNAIIAKIADYGIAQYCCRM
GIKTSEGTGPFRAPEVARGNVIYNQQADVYSFGLLLYDILTTGGRIVEGLKFPNEFDELEIQGKLPDPV
KEYGCAPWPMVEKLIKQCLKENPQERPTSAQVFDILNSAELVCLTRRILLPKNVIVECMVATHHNSRN
ASIWLGC GHTDRGQLSFLDLNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDG
KKRHTLEKMTDSVTCLYCNSFSKQSKQKNFLLVGTADGKLAIFEDKTVKLKGAAPL KILNIGNVSTPL
MCLSESTNSTERNVMWGGCGTKIFSFSNDFTIQKLIETRTSQLFSYAAFSDSNIITVVVDTALYIAKQNS
PVVEVWDKKTEKLCGLIDCVHFLREVMVKENKESKHKMSYSGRVKTLCLQKNTALWIGTGGGHILL
DLSTRRLIRVIYNFCNSVRVMMTAQLGSLKNVMLVLGYNRKNTEGTQKQKEIQSCLTVWDINLPHEVQ
NLEKHIEVRKELAEKMRRTSVE*

Antibiotic:

Amp

Comments:

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

Price per aliquot:

£110.00