

LRRK2

Expressed:

FLAG LRRK2 F553-end R1441G

Plasmid:

pCMV5 Flag LRRK2 F553-end R1441G

Parent Plasmid:

pCMV5 FLAG

DU Number:

DU26935

Synonyms:

Sequence of Insert:

**GGATCCTTCATTGGAATCCTGGGATTCAGAAATGTGGATTAAGTAATTTCTTCTATTGTACAT
TTTCTGATGCATTAGAGATGTTATCCCTGGAAGGTGCTATGGATTCAGTGCTTCACACACTGCA
GATGTATCCAGATGACCAAGAAATTCAGTGTCTGGGTTTAAGTCTTATAGGATACTTGATTACAA
AGAAGAATGTGTTTCATAGGAAGTGGACATCTGCTGGCAAAAATTCTGGTTTCCAGCTTATACCGA
TTTAAGGATGTTGCTGAAATACAGACTAAAGGATTTTCAGACAATCTTAGCAATCCTCAAATTGTC
AGCATCTTTTTCTAAGCTGCTGGTGCATCATTCAATTTGACTTAGTAATATTCCATCAAATGTCTTC
CAATATCATGGAACAAAAGGATCAACAGTTTCTAAACCTCTGTTGCAAGTGTTTTGCAAAAGTAG
CTATGGATGATTACTTAAAAATGTGATGCTAGAGAGAGCGTGTGATCAGAATAACAGCATCAT
GGTTGAATGCTTGCTTCTATTGGGAGCAGATGCCAATCAAGCAAAGGAGGGATCTTCTTTAATTT
GTCAGGTATGTGAGAAAGAGAGCAGTCCCAAATTGGTGGAACTCTTACTGAATAGTGGATCTCG
TGAACAAGATGTACGAAAAGCGTTGACGATAAGCATTGGGAAAGGTGACAGCCAGATCATCAG
CTTGCTCTTAAGGAGGCTGGCCCTGGATGTGGCCAACAATAGCATTTCCTTGAGGATTTTGTA
TAGGAAAAGTTGAACCTTCTTGCTTGGTCTTTATTTCCAGATAAGACTTCTAATTTAAGGAAAC
AAACAAATATAGCATCTACACTAGCAAGAATGGTGATCAGATATCAGATGAAAAGTGCTGTGGA
AGAAGGAACAGCCTCAGGCAGCGATGGAAATTTTCTGAAGATGTGCTGTCTAAATTTGATGAA
TGGACCTTTATTCCTGACTCTTCTATGGACAGTGTGTTTGCTCAAAGTGATGACCTGGATAGTGA
AGGAAGTGAAGGCTCATTCTTGTAAGAAAGAAATCTAATTCAATTAGTGTAGGAGAATTTTACC
GAGATGCCGTATTACAGCGTTGCTCACCAAATTTGCAAAGACATTCCAATTCCTTGGGGCCCAT
TTTGATCATGAAGATTTACTGAAGCGAAAAAGAAAAATACTATCTTCAGATGATTCACTCAGGTC
ATCAAACTTCAATCCCATATGAGGCATTGAGACAGCATTCTTCTCTGGCTTCTGAGAGAGAAT
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TGTATAAGTGTTCAATTTGGAGCATCTTGAAAAGCTGGAGCTTCACCAGAATGCACTCACGAGCTT
TCCACAACAGCTATGTGAACTCTGAAGAGTTTGACACATTTGGACTTGCACAGTAATAAATTTA
CATCATTTCTTCTTATTTGTTGAAAATGAGTTGTATTGCTAATCTTGATGTCTCTCGAAATGACAT
TGGACCCTCAGTGGTTTTAGATCCTACAGTGAATGTCCAACCTCTGAAACAGTTTAACTGTGAT
ATAACCAGCTGTCTTTGTACCTGAGAACCTCACTGATGTGGTAGAGAACTGGAGCAGCTCATT
TTAGAAGGAAATAAAATATCAGGGATATGCTCCCCCTTGAGACTGAAGGAACTGAAGATTTTAA
ACCTTAGTAAGAACCACATTTTCATCCCTATCAGAGAACTTTCTTGAGGCTTGTCTAAAGTGGAG
AGTTTCAGTGCCAGAATGAATTTTCTTGCTGCTATGCCTTTCTTGCTCCTTCTATGACAATCCTA
AAATTATCTCAGAACAAATTTTCTGTATTCCAGAAGCAATTTAAATCTTCCACACTTGC GGCTC**

TTAGATATGAGCAGCAATGATATTCAGTACCTACCAGGTCCCGCACACTGGAAATCTTTGAACTT
AAGGGAACCTTTATTTAGCCATAATCAGATCAGCATCTTGGACTTGAGTGAAAAAGCATATTTAT
GGTCTAGAGTAGAGAACTGCATCTTTCTCACAATAAACTGAAAGAGATTCTCCTGAGATTGGC
TGTCTTGAAAATCTGACATCTCTGGATGTCAGTTACAACCTTGGAACTAAGATCCTTTCCCAATGA
AATGGGGAAATTAAGCAAATATGGGATCTTCTTTGGATGAACTGCATCTTAACTTTGATTTTAA
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CCTTATAACCGAATGAACTTATGATTGTGGGAAATACTGGGAGTGGTAAAACCACCTTATTGCA
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CACCATTCCAATATCTCAGATTGCCCTGACTTGATTTTGGCTGACCTGCCTAGAAATATTATGTT
GAATAATGATGAGTTGGAATTTGAACAAGCTCCAGAGTTTCTCCTAGGTGATGGCAGTTTGGAT
CAGTTTACCGAGCAGCCTATGAAGGAGAAGAAGTGGCTGTGAAGATTTTAAATAACATACATC
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TGCTGGCAGCTGGGATTCGTCCCCGGATGTTGGTGTGAGGTTAGCCTCCAAGGGTTCCTTGA
TCGCCTGCTTCAGCAGGACAAAGCCAGCCTCACTAGAACCCTACAGCACAGGATTGCACTCCAC
GTAGCTGATGGTTTGAGATACCTCCA CT CAGCCATGATTATATACCGAGACCTGAAACCCCA
ATGTGCTGCTTTTCACTGTATCCCAATGCTGCCATCATTGCAAAGATTGCTGACTACGGCATT
GCTCAGTACTGCTGTAGAATGGGGATAAAAACATCAGAGGGCACACCAGGGTTTCTGTGCACCTG
AAGTTGCCAGAGGAAATGTCATTTATAACCAACAGGCTGATGTTTATTCAATTGGTTTACTACTCT
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TTAGAAATACAAGGAAAATTACCTGATCCAGTTAAAGAATATGGTTGTGCCCATGGCCTATGGT
TGAGAAATTAATTAACAGTGTTTGAAGAAAATCCTCAAGAAAGGCCTACTTCTGCCCAGGTCT
TTGACATTTTGAATTCAGCTGAATTAGTCTGTCTGACGAGACGCATTTTATTACCTAAAAACGTAA
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GCACACCGACAGAGGACAGCTCTCATTTCTTACTTAAATACTGAAGGATACACTTCTGAGGAA
GTTGCTGATAGTAGAATATTGTGCTTAGCCTTGGTGCATCTTCTGTTGAAAAGGAAAGCTGGAT
TGTGTCTGGGACACAGTCTGGTACTCTCCTGGTCATCAATACCGAAGATGGGAAAAAGAGACAT
ACCCTAGAAAAGATGACTGATTCTGTCACTTGTGTTGATTGCAATTCCTTTTCAAAGCAAAGCAA
ACAAAAAATTTTCTTTTGGTTGGAACCGCTGATGGCAAGTTAGCAATTTTGAAGATAAGACTG
TTAAGCTTAAAGGAGCTGCTCCTTTGAAGATACTAAATATAGGAAATGTCAGTACTCCATTGATG
TGTTTGAGTGAATCCACAAATTCACGGAAAGAAATGTAATGTGGGGAGGATGTGGCACAAAGA
TTTTCTCCTTTTCTAATGATTTACCATT CAGAACTCATTGAGACAAGAACAAGCCA ACTGTTTT
CTTATGCAGCTTTCAGTGATTCCAACATCATAACAGTGGTGGTAGACACTGCTCTCTATATTGCT

AAGCAAAATAGCCCTGTTGTGGAAGTGTGGGATAAGAAAACACTGAAAACACTCTGTGGACTAATAG
ACTGCGTGCACCTTTTTAAGGGAGGTAATGGTAAAAGAAAACAAGGAATCAAAACACAAAATGTC
TTATTCTGGGAGAGTGAAAACCCTCTGCCTTCAGAAGAACAACACTGCTCTTTGGATAGGAACTGGA
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AATTCGGTCAGAGTCATGATGACAGCACAGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTGG
GCTACAACCGGAAAAATACTGAAGGTACACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGT
TTGGGACATCAATCTTCCACATGAAGTGCAAAATTTAGAAAAACACATTGAAGTGAGAAAAGAA
TTAGCTGAAAAAATGAGACGAACATCTGTTGAGTAAGAGAGAAATAGGCGGCCGC

Amino Acid Sequence:

MDYKDDDDKGSFIGNPGIQKCGLVKVISSIVHFPDALEMLSLEGAMDSVLHTLQMYPPDDQEIQCLGLSL
IGYLITKKNVFIGTGHELLAKILVSSLYRFKDVAEIQTKGFQILAILKLSASFVSKLLVHHSFDLVIFHQMSS
NIMEQKDQQFLNLCKCFKAVAMDDYLKNVMLERACDQNNSIMVECLLLLGDANQAKEGSSLICQ
VCEKESPPLVELLNSGSREQDVRKALTISIGKGDSSQIISLLRRLALDVANNSICLGGFCIGKVEPS
WLGPLFPDKTSNLRKQTNIASTLARMVIRYQMKSAVEEGTASGSDGNFSEDLVSKFDEWTFIPDSSM
DSVFAQSDDDLSEGESEGSFLVKKKSNSISVGEFYRDAVLQRCSPNLQRHSNSLGPFDHEDLLKRKR
KILSSDDSLRSSKLQSHMRHSDSISSLASEREYITSLDLSANELRDIDALSQKCCISVHLEHLEKLELH
QNALTSFPQQLCETLKSLTHLDLHNSKFTSFPSYLLKMSCIANLDVSRNDIGPSVVDPTVKCPTLKQ
FNLSYNQLSFVPENLTDVVEKLEQLILEGNKISGICSPRLKELKILNLSKNHISLSENFLEACPVES
FSARMNFLAAMPFLPPSMTILKLSQNKFSCEIPAILNPLHLRSLDMSSNDIQYLPGPAHWKSLNLR
LFSHNQISILDSEKAYLWSRVEKLHLSHNKLKEIPPEIGCLENLTSLDVSYNLELRSFPNEMGKLSKI
WDLPLDELHLNDFDKHIGCKAKDIIRFLQQRLKKAOPYNRMKLMIVGNTGSGKTTLLQQLMKTCKSD
LGMQSATVGDVVDKDWPIQIRDRKRDLVNLVWDFAGREEFYSTHPHFMTQRALYLAVYDLSKGQAE
VDAMKPWLFNIKAGASSPVLVGHLDVSDKQRKACMSKITKELLNKRGFPAIRDYHFVNATEESD
ALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFPVIDRKRLQLVRENQLQDE
NELPHAVHFLNESGVLLHFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRRDVEKF
LSKKRKFPKNYMTQYFKLLEKFQIALPIGEEYLLVPSSLSDHRPVIELPHCENSEIIRLYEMPYFPMGF
WSRLINRLEISPYMLSGRERLRPNRMYWRQGIYLNWSPEAYCLVGSEVLDNHPESFLKITVPSR
KGCILLGQVVDHIDSLMEEWFPGLLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMKKAEEGDL
LVNPDQPRLTIPISQIAPDLILADLPRNIMLNDELEFEQAPEFLLGDGSGSVYRAAYEGEEVAVKIFN
KHTSLRLLRQELVVLCHLHHPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLTRTLQHRIALH
VADGLRYLHSAMIIYRDLKPHNVLLFTLYPNAIIAKIADYGIAQYCCRMGIKTSEGTGPFRAPEVARG
NVIYNQQADVVSFGLLLYDILTTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPMVEKLIKQCL
KENPQERPTSAQVFDILNSAELVCLTRRILLPKNVIVECMVATHHNSRNASIWLGCHTDRGQLSFLD
LNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDGKKRHTLEKMTDSVTCLYCN
SFSKQSKQKNFLLVGTADGKLAIFEDKTVKLGGAAPLKILNIGNVSTPLMCLSESTNSTERNVMWGG
CGTKIFSFSNDFTIQKLIETRTSQLFSYAAFSDSNIITVVVDTALYIAKQNSPVVEVWDDKTEKLCGLIDC
VHFLREVMVKENKESKHKMSYSGRVKTLCLQKNTALWIGTGGGHILLDLSTRRLIRVIYNFCNSVRV
MMTAQLGSLKNVMLVLGYNRKNTEGTQKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKMRRT
SVE*

Antibiotic:

Amp

Comments:

**All LRRK2 plasmids MUST be grown at 30C or less to prevent recombination 2 silent mutations
G1624 K1637 Grow at or below 30°C Contains SNP S1647T**

Price per aliquot:

£110.00