



## LRRK2

Expressed:

**Flag LRRK2 L728D S910A S935A S955A S973A**

Plasmid:

**pCMV5 Flag LRRK2 L728D S910A S935A S955A S973A**

Parent Plasmid:

**pCMV5 FLAG**

DU Number:

**DU27307**

Species:

**Human**

Synonyms:

Sequence of Insert:

**GGATCCATGGCTAGTGGCAGCTGTCAGGGGTGCGAAGAGGACGAGGAACTCTGAAGAAGTTG  
ATAGTCAGGCTGAACAATGTCCAGGAAGGAAAACAGATAGAAACGCTGGTCCAAATCCTGGAG  
GATCTGCTGGTGTTCACGTA CTCCGAGCACGCCTCCAAGTTATTTCAAGGCAAAAATATCCATGT  
GCCTCTGTTGATCGTCTTGGACTCCTATATGAGAGTCGCGAGTGTGCAGCAGGTGGGTTGGTCA  
CTTCTGTGCAAATTAATAGAAGTCTGTCCAGGTACAATGCAAAGCTTAATGGGACCCCAGGATG  
TTGGAAATGATTGGGAAGTCCTTGGTGTTACCAATTGATTCTTAAAATGCTAACAGTTCATAAT  
GCCAGTGTAACCTTGTCAGTGATTGGACTGAAGACCTTAGATCTCCTCCTAACTTCAGGTA  
CACCTTGCTGATATTGGATGAAGAAAGTGATATTTTCATGTTAATTTTTGATGCCATGCACTCATT  
TCCAGCCAATGATGAAGTCCAGAACTTGGATGCAAAGCTTTACATGTGCTGTTTGAGAGAGTCT  
CAGAGGAGCAACTGACTGAATTTGTTGAGAACAAGATTATATGATATTGTTAAGTGCGTAAACA  
AATTTTAAAGATGAAGAGGAAATTGTGCTTCATGTGCTGCATTGTTTACATTCCCTAGCGATTCT  
TGCAATAATGTGGAAGTCCTCATGAGTGGCAATGTCAGGTGTTATAATATTGTGGTGGAAAGCTAT  
GAAAGCATTCCCTATGAGTGAAGAATTCAAGAAGTGAGTTGCTGTTTGCTCCATAGGCTTACAT  
TAGGTAATTTTTCAATATCCTGGTATTAACGAAGTCCATGAGTTTGTGGTGAAGCTGTGCAG  
CAGTACCCAGAGAATGCAGCATTGCAGATCTCAGCGCTCAGCTGTTTGGCCCTCCTCACTGAGA  
CTATTTTCTTAAATCAAGATTTAGAGGAAAAGAATGAGAATCAAGAGAATGATGATGAGGGGGA  
AGAAGATAAATTGTTTTGGCTGGAAGCCTGTTACAAAGCATTAACTGATGAGGAAAGCAAG  
CACGTGCAGGAGGCCGCATGCTGGGCACTAAATAATCTCCTTATGTACCAAACAGTTTACATG  
AGAAGATTGGAGATGAAGATGGCCATTTCCAGCTCATAGGGAAGTGATGCTCTCCATGCTGAT  
GCATTCTTCATCAAAGGAAGTTTTCCAGGCATCTGCGAATGCATTGTCAACTCTCTTAGAACAAA  
ATGTTAATTTAGAAAAATACTGTTATCAAAGGAATACACCTGAATGTTTTGGAGTTAATGCAG  
AAGCATATACATTCTCCTGAAGTGGCTGAAAGTGGCTGTAAAATGCTAAATCATCTTTTTGAAGG  
AAGCAACTTCCCTGGATATAATGGCAGCAGTGGTCCCCAAAATACTAACAGTTATGAAACGT  
CATGAGACATCATTACCAGTGCAGCTGGAGGCGCTTCGAGCTATTTTACATTTTATAGTGCCTGG  
CATGCCAGAAGAATCCAGGGAGGATACAGAATTTTCATCATAAGCTAAATATGGTTAAAAAACAG  
TGTTTCAAGAATGATATTCACAAACTGGTCTAGCAGCTTTGAACAGGTTTCATTGGAAATCCTGG  
GATTCAGAAATGTGGATTAAGTAATTTCTTCTATTGTACATTTTCTGATGCATTAGAGATGTT**

ATCCCTGGAAGGTGCTATGGATTCAAGTCTTACACACTGCAGATGTATCCAGATGACCAAGAA  
ATTCAGTGTCTGGGTTAAGTCTTATAGGATACTTGATTACAAAGAAGAATGTGTTTCATAGGAAC  
TGGACATCTGCTGGCAAAAATTCTGGTTCCAGCTTATACCGATTTAAGGATGTTGCTGAAATAC  
AGACTAAAGGATTTTCAGACAATCTTAGCAATCCTCAAATTGTCAGCATCTTTTTCTAAGCTGCTG  
GTGCATCATTCAATTTGACTTAGTAATATTCCATCAAATGTCTTCCAATATCATGGAACAAAAGGAT  
CAACAGTTTCTAAACCTCTGTTGCAAGTGTGTTGCAAAAAGTAGCTATGGATGATTACTTAAAAAAT  
GTGATGCTAGAGAGAGCGTGTGATCAGAATAACAGCATCATGGTTGAATGCGATCTTCTATTGG  
GAGCAGATGCCAATCAAGCAAAGGAGGGATCTTCTTTAATTTGTCAGGTATGTGAGAAAAGAGAG  
CAGTCCCAAATTGGTGGAACTCTTACTGAATAGTGGATCTCGTGAACAAGATGTACGAAAAGCG  
TTGACGATAAGCATTGGGAAAGGTGACAGCCAGATCATCAGCTTGTCTTAAAGGAGGCTGGCCC  
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ATGGACAGTGTGTTTGTCTCAAAGTGTGACCTGGATAGTGAAGGAAGTGAAGGCTCATTCTTGT  
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CACCAAATTTGCAAAGACATTCCAATGCCTTGGGGCCCATTTTTGATCATGAAGATTTACTGAAG  
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CATCACAACAGCAGGAATGCAAGCATTGCTGGCTGGGCTGTGGGCACACCGACAGAGGACAGCTC  
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CTCTCCTGGTCATCAATACCGAAGATGGGAAAAGAGACATACCCTAGAAAAGATGACTGATTC  
TGTCACTTGTGTTGATTGCAATTCCTTTTCCAAGCAAAGCAAACAAAAAATTTTCTTTTGGTTGG  
AACCGCTGATGGCAAGTTAGCAATTTTGAAGATAAGACTGTTAAGCTTAAAGGAGCTGCTCCTT  
TGAAGATACTAAATATAGGAAATGTCAGTACTCCATTGATGTGTTTGAGTGAATCCACAAATTCA  
ACGGAAGAAATGTAATGTGGGGAGGATGTGGCACAAGATTTTCTCCTTTTCTAATGATTTTAC  
CATTCAGAACTCATTGAGACAAGAACAAGCCAAGTCTTTTCTTATGCAGCTTTTCAAGTATTCCA  
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GTGTGGGATAAGAAAACCTGAAAACCTCTGTGGACTAATAGACTGCGTGCACCTTTTAAAGGGAGG  
TAATGGTAAAAGAAAACAAGGAATCAAACACAAAATGTCTTATTCTGGGAGAGTGAAAACCTT  
CTGCCTTCAGAAGAACTGCTCTTTGGATAGGAACTGGAGGAGGCCATTTTTACTCCTGGATC  
TTTCAACTCGTCGACTTATACGTGTAATTTACAACCTTTTGTAAATTCGGTCAGAGTCATGATGACAG  
CACAGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTGGGCTACAACCGGAAAATACTGAAGG  
TACACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGTTTGGGACATCAATCTTCCACATGAA  
GTGCAAAATTTAGAAAACACATTGAAGTGAGAAAAGAATTAGCTGAAAAAATGAGACGAACAT  
CTGTTGAGTAAGAGAGAAATAGGCGGCCCG

Amino Acid Sequence:

MDYKDDDDKGSMSAGSCQGCCEEDLTKKLVRLNNVQEGKQIETLVQILEDLLVFTYSEHASKLQ  
GKNIHVPLLVDSYMRVASVQVQVWVSLCKLIEVCPGTMQSLMGPQDVGNVWVGLVHQLILKMLT  
VHNASVNLVIGLKTLDLLTSGKITLLILDEESDIFMLIFDAMHSFPANDEVQKLGCKALHVLFERVSE  
EQLTEFVENKDYMILLSALTNFKDEEIVLHVLHCLHSLAIPCNNVEVLMMSGNVRVYNIVVEAMKAFPM  
SERIQEVSCLLHRLTLGNFFNILVLNEVHEFVVKAVQYPENAALQISALSCLALLTETIFLNQDLEEK  
NENQENDDEGEEDKLFWLEACYKALTWHRKNKHVQEAACWALNLLMYQNSLHEKIGDEDEGHFPA  
HREVMLSMLMHSSSKEVFQASANALSTLLEQNVNFRKILLSKGIHLNVLELMQKHIHSPEVAESGCK  
MLNHLFEFSNTSLDIMAADVVPKILVTKRHRHETSLPVQLEALRAILHFIVPGMPEESREDTEFHKLNMV  
KKQCFKNDIHKLVLAALNRFIGNPGIQKCGLVKVISSIVHFPDALEMLSLEGAMDSVHLTLQMYPDDQEI  
QCLGLSLIGYLITKKNVFIGTGHLLAKILVSSLYRFKDVAEIQTKGFQTLAILKLSASFSLLVHHSFDL  
VIFHQSSNIMEQKQDQFLNLCCKCFKAVMDDYLKNVMLERACDQNSIMVECDLLLGADANQAK  
EGSSLICQVCEKESPKLVELLNSGSREQDVRKALTISIGKGDSSQIISLLRRLALDVANNSICLGGFC  
IGKVEPSWLGPLFPDKTSNLRKQTNIASTLARMVIRYQMKSAVEEGTAGSDGNFSEDVLSKFDEWT  
FIPDSSMDSVFAQSDDLSEGESEGSFLVKKKSNAISVGEFYRDAVLQRCSPNLQRHSNALGPIFDHE  
DLLKRKRKILSADSLRSSKLQSHMRHSDAISSLASEREYITSLDLSANELRDIDALSQKCCISVHLEH

LEKLELHQNALTSFPQQLCETLKSLTHLDLHSNKFTSFPSYLLKMSCIANLDVSRNDIGPSVVLDPVTK  
CPTLKQFNLSYNQLSFVPENLTDVVEKLEQLILEGNKISGICSPRLKELKILNLSKNHISSLSENFLEA  
CPKVESFSARMNFLAAMPFLPPSMTILKLSQNKFSCICEAILNPLHLRSLDMSSNDIQYLPGPAHWKS  
LNLRELLFSHNQISILDSEKAYLWSRVEKHLHSHNKLKEIPPEIGCLENLTSLDVSYNLELRSFPNEM  
GKLSKIWDLPLDELHLNFDKFKHIGCKAKDIIRFLQQRLKKAVPYNRMKLMIVGNTGSGKTTLLQQLMK  
TKKSDLGMQSATVGDVVDWPIQIRDKRKRDLVLNVWDFAGREEFYSTHPHFMTRALYLAVYDLSK  
GQAEVDAMKPWLFNIKARASSSPVILVGTHLDVSDEKQRKACMSKITKELLNKRGFPAIRDYHFVNA  
TEESDALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFPVIDRKRLQLVRENQ  
LQLDENELPHAVHFLNESGVLLHFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRR  
DVEKFLSKKRKFPKNYMTQYFKLLEKFQIALPIGEEYLLVPSSLSDHRPVIELPHCENSEIIIRLYEMPYF  
PMGFWSRLINRLLLEISPYMLSGRERLRPNRMWYRQGIYLNWSPEAYCLVGSEVLDNHPESFLKITV  
PSCRKGCILLGQVVDHIDSLMEEWFPGLLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMKKA  
EGDLLVNPDPQRLTIPISQIAPDLILADLPRNIMLNDELEFEQAPEFLLGDGSGSVYRAAYEGEEVA  
VKIFNKHTSLRLLRQELVVLCHLHPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLTRLQH  
RIALHVADGLRYLHSAMIYRDLKPHNVLLFTLYPNAIIAKIADYGIAQYCCRMGIKTSEGTGPFRAPE  
VARGNVIYNQQADVYSFGLLLYDILTTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPMVEKLI  
KQCLKENPQERPTSAQVFDILNSAELVCLTRRILLPKNVIVECMVATHHNSRNASIWLGCGHDRGQL  
SFLDLNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDGKKRHTLEKMTDSVTCL  
YCNSFSKQSKQKNFLLVGTADGKLAIFEDKTVKLGAAPLKILNIGNVSTPLMCLSESTNSTERNVMW  
GGCGTKIFSFSNDFTIQKLIETRSTSQLFSYAAFSDSNITVVVDTALYIAKQNSPVVEVWDKTEKLCGLI  
DCVHFLREVMVKENKESKHKMSYSGRVKTLCCLQKNTALWIGTGGGHILLDLSTRRLIRVIYNFCNSV  
RVMMTAQLGSLKNVMLVLGYNRKNTEGTQKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKM  
RTSVE\*

Antibiotic:

**Amp**

Comments:

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

Price per aliquot:

**£110.00**