



## LRRK2

Expressed:

**Flag LRRK2 S910A S935A S973A R1441G**

Plasmid:

**pCMV5 Flag LRRK2 S910A S935A S973A R1441G**

Parent Plasmid:

**pCMV5 FLAG**

DU Number:

**DU27121**

Species:

**Human**

Synonyms:

Sequence of Insert:

**GGATCCATGGCTAGTGGCAGCTGTCAGGGGTGCGAAGAGGACGAGGAAACTCTGAAGAAGTTG  
ATAGTCAGGCTGAACAATGTCCAGGAAGGAAAACAGATAGAAACGCTGGTCCAAATCCTGGAG  
GATCTGCTGGTGTTCACGTA CTCCGAGCACGCCTCCAAGTTATTTCAAGGCAAAAATATCCATGT  
GCCTCTGTTGATCGTCTTGGACTCCTATATGAGAGTCGCGAGTGTGCAGCAGGTGGGTTGGTCA  
CTTCTGTGCAAATTAATAGAAGTCTGTCCAGGTACAATGCAAAGCTTAATGGGACCCCAGGATG  
TTGGAAATGATTGGGAAGTCCTTGGTGTTACCAATTGATTCTTAAAATGCTAACAGTTCATAAT  
GCCAGTGTA AACTTGT CAGTGATTGGACTGAAGACCTTAGATCTCCTCCTAACTTCAGGTA A AAT  
CACCTTGCTGATATTGGATGAAGAAAGTGATATTTTCATGTTAATTTTTGATGCCATGCACTCATT  
TCCAGCCAATGATGAAGTCCAGAACTTGGATGCAAAGCTTTACATGTGCTGTTTGAGAGAGTCT  
CAGAGGAGCAACTGACTGAATTTGTTGAGAACA AAGATTATATGATATTGTTAAGTGC GTTAACA  
AATTTTAAAGATGAAGAGGAAATTGTGCTTCATGTGCTGCATTGTTTACATTCCCTAGCGATTCT  
TGCAATAATGTGGAAGTCCTCATGAGTGGCAATGTCAGGTGTTATAATATTGTGGTGG AAGCTAT  
GAAAGCATTCCCTATGAGTGAAAGAATTCAAGAAGTGAGTTGCTGTTTGCTCCATAGGCTTACAT  
TAGGTAATTTTTCAATATCCTGGTATTAACGAAGTCCATGAGTTTGTGGTGAAAGCTGTGCAG  
CAGTACCCAGAGAATGCAGCATTGCAGATCTCAGCGCTCAGCTGTTTGGCCCTCCTCACTGAGA  
CTATTTTCTTAAATCAAGATTTAGAGGAAAAGAATGAGAATCAAGAGAATGATGATGAGGGGGA  
AGAAGATAAATTGTTTTGGCTGGAAGCCTGTTACAAAGCATTAACTGATGAGGAGGAGGAGGAG  
CACGTGCAGGAGGCCGCATGCTGGGCACTAAATAATCTCCTTATGTACCAAACAGTTTACATG  
AGAAGATTGGAGATGAAGATGGCCATTTCCAGCTCATAGGGAAGTGATGCTCTCCATGCTGAT  
GCATTCTTCATCAAAGGAAGTTTTCCAGGCATCTGCGAATGCATTGTCAACTCTCTTAGAACAAA  
ATGTTAATTTCAGAAAAACTGTTATCAAAGGAATACACCTGAATGTTTTGGAGTTAATGCAG  
AAGCATATACATTCTCCTGAAGTGGCTGAAAGTGGCTGTAAAATGCTAAATCATCTTTTTGAAGG  
AAGCAACTTCCCTGGATATAATGGCAGCAGTGGTCCCCAAAATACTAACAGTTATGAAACGT  
CATGAGACATCATTACCAGTGCAGCTGGAGGCGCTTCGAGCTATTTTACATTTTATAGTGCCTGG  
CATGCCAGAAGAATCCAGGGAGGATACAGAATTTATCATAAGCTAAATATGGTTAAAAAACAG  
TGTTTCAAGAATGATATTCACAAACTGGTCCTAGCAGCTTTGAACAGGTTTCATTGGAAATCCTGG  
GATTCAGAAATGTGGATTA A AAGTAATTTCTTCTATTGTACATTTTCTGATGCATTAGAGATGTT**

ATCCCTGGAAGGTGCTATGGATTCAAGTCTTCACACACTGCAGATGTATCCAGATGACCAAGAA  
ATTCAGTGTCTGGGTTAAGTCTTATAGGATACTTGATTACAAAGAAGAATGTGTTTCATAGGAAC  
TGGACATCTGCTGGCAAAAATTCTGGTTCCAGCTTATACCGATTTAAGGATGTTGCTGAAATAC  
AGACTAAAGGATTTTCAGACAATCTTAGCAATCCTCAAATTGTCAGCATCTTTTTCTAAGCTGCTG  
GTGCATCATTCAATTTGACTTAGTAATATTCCATCAAATGTCTTCCAATATCATGGAACAAAAGGAT  
CAACAGTTTCTAAACCTCTGTTGCAAGTGTGTTGCAAAAAGTAGCTATGGATGATTACTTAAAAAAT  
GTGATGCTAGAGAGAGCGTGTGATCAGAATAACAGCATCATGGTTGAATGCTTGCTTCTATTGG  
GAGCAGATGCCAATCAAGCAAAGGAGGGATCTTCTTTAATTTGTCAGGTATGTGAGAAAAGAGAG  
CAGTCCCAAATTGGTGGAACTCTTACTGAATAGTGGATCTCGTGAACAAGATGTACGAAAAGCG  
TTGACGATAAGCATTGGGAAAGGTGACAGCCAGATCATCAGCTTGCTCTTAAGGAGGCTGGCCC  
TGGATGTGGCCAACAATAGCATTGCTTGGAGGATTTTGTATAGGAAAAGTTGAACCTTCTTGG  
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ATGGACAGTGTGTTTGTCAAAGTGTGACCTGGATAGTGAAGGAAGTGAAGGCTCATTCTTGT  
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CTCTCCTGGTCATCAATACCGAAGATGGGAAAAGAGACATACCCTAGAAAAGATGACTGATTC  
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TGAAGATACTAAATATAGGAAATGTCAGTACTCCATTGATGTGTTTGAGTGAATCCACAAATTCA  
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CATTCAGAACTCATTGAGACAAGAACAAGCCAAGTCTTTTCTTATGCAGCTTTTCAAGTATTCCA  
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GTGTGGGATAAGAAAACCTGAAAACCTCTGTGGACTAATAGACTGCGTGCACCTTTTAAAGGGAGG  
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CTGCCTTCAGAAGAACTGCTCTTTGGATAGGAACTGGAGGAGGCCATTTTTACTCCTGGATC  
TTTCAACTCGTCGACTTATACGTGTAATTTACAACCTTTTGTAAATTCGGTCAGAGTCATGATGACAG  
CACAGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTGGGCTACAACCGGAAAATACTGAAGG  
TACACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGTTTGGGACATCAATCTTCCACATGAA  
GTGCAAAATTTAGAAAACACATTGAAGTGAGAAAAGAATTAGCTGAAAAAATGAGACGAACAT  
CTGTTGAGTAAGAGAGAAATAGGCGGCCGCGA

Amino Acid Sequence:

MDYKDDDDKGSMSAGSCQGCEEDEETLKKLIVRLNNVQEGKQIETLVQILEDLLVFTYSEHASKLFG  
GKNIHVPLLVDSYMRVASVQQVGVWSLLCKLIEVCPGTMQSLMGPQDVGNWVGLGVHQLILKMLT  
VHNASVNLVIGLKTLDLLTSGKITLLILDEESDIFMLIFDAMHSFPANDEVQKLGCKALHVLFERVSE  
EQLTEFVENKDYMILLSALTNFKDEEIVLHVLHCLHSLAIPCNNVEVLMMSGNVRRCYNIVVEAMKAFPM  
SERIQEVSCLLHRLTLGNFFNILVLNEVHEFVVKAVQQYPENAALQISALSCLALLTETIFLNQDLEEK  
NENQENDDEGEEDKLFWLEACYKALTWHRKNKHVQEAACWALNLLMYQNSLHEKIGDEDGHFPA  
HREVMLSMLMHSSSKEVFQASANALSTLLEQNVNFRKILLSKGIHLNVLELMQKHIHSPEVAESGCK  
MLNHLFEFSNTSLDIMAADVPKILTVMKRHETSLPVQLEALRAILHFIVPGMPEESREDTEFHKLNMV  
KKQCFKNDIHKLVLAALNRFIGNPGIQKCGLKVIVSSIVHFPDALEMLSLEGAMDSVLHTLQMYPPDDQEI  
QCLGLSLIGYLITKKNVFIGTGHLAKILVSSLYRFKDVAEIQTKGFQTLAILKLSASFSLKLVHHSFDL  
VIFHQSSNIMEQKQDQFLNLCKCFKAVMDDYLKNVMLERACDQNSIMVECLLLLGDANQAK  
EGSSLICQVCEKESPKLVELLLNSGSREQDVRKALTISIGKGDSSQIISLLRRLALDVANNSICLGGFC  
IGKVEPSWLGPLFPDKTSNLRKQTNIASTLARMVIRYQMKSAVEEGTAGSDGNFSEDVLSKFDEWT  
FIPDSSMDSVFAQSDDLSEGESEGSFLVKKKSNAISVGEFYRDAVLQRCSPNLQRHSNALGPIFDHE  
DLLKRKRKILSSDDSLRSSKLQSHMRHSDAISSLASEREYITSLDLSANELRDIDALSQKCCISVHLEH

LEKLELHQNALTSFPQQLCETLKSLTHLDLHSNKFTSFPSYLLKMSCIANLDVSRNDIGPSVVLDPVTK  
CPTLKQFNLSYNQLSFVPENLTDVVEKLEQLILEGNKISGICSPRLKELKILNLSKNHISSLSENFLEA  
CPKVESFSARMNFLAAMPFLPPSMTILKLSQNKFSCICEAILNPLHLRSLDMSSNDIQYLPGPAHWKS  
LNLRELLFSHNQISILDSEKAYLWSRVEKHLHLSHNKLKEIPPEIGCLENLTSLDVSYNLELRSFPNEM  
GKLSKIWDLPLDELHLNFDKFKHIGCKAKDIIRFLQQRLKKAVPYNRMKLMIVGNTGSGKTTLLQQLMK  
TKKSDLGMQSATVGDVVDWPIQIRDKRKRDLVLNVWDFAGREEFYSTHPHFMTRALYLAVYDLSK  
GQAEVDAMKPWLFNIKAGASSSPVILVGTHLDVSDEKQRKACMSKITKELLNKRGFPAIRDYHFVNA  
TEESDALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFPVIDRKRLQLVRENQ  
LQLDENELPHAVHFLNESGVLLHFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRR  
DVEKFLSKKRKFPKNYMTQYFKLLEKFQIALPIGEEYLLVPSSLSDHRPVIELPHCENSEIIIRLYEMPYF  
PMGFWSRLINRLLLEISPYMLSGRERALRPNRMWYRQGIYLNWSPEAYCLVGSEVLDNHPESFLKITV  
PSCRKGCILLGQVVDHIDSLMEEWFPGLLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMKKA  
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VKIFNKHTSLRLLRQELVVLCHLHPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLTRLQH  
RIALHVADGLRYLHSAMIYRDLKPHNVLLFTLYPNAIIAKIADYGIAQYCCRMGIKTSEGTGPFRAPE  
VARGNVIYNQQADVYSFGLLLYDILTTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPMVEKLI  
KQCLKENPQERPTSAQVFDILNSAELVCLTRRILLPKNVIVECMVATHHNSRNASIWLGCGHTDRGQL  
SFLDLNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDGKKRHTLEKMTDSVTCL  
YCNSFSKQSKQKNFLLVGTADGKLAIFEDKTVKLGAAPLKILNIGNVSTPLMCLSESTNSTERNVMW  
GGCGTKIFSFSNDFTIQKLIETRSQLFSYAAFSDSNITVVVDTALYIAKQNSPVVEVWDKTEKLCGLI  
DCVHFLREVMVKENKESKHKMSYSGRVKTLCCLQKNTALWIGTGGGHILLDLSTRRLIRVIYNFCNSV  
RVMMTAQLGSLKNVMLVLGYNRKNTEGTQKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKM  
RRTSVE\*

Antibiotic:

**Amp**

Comments:

**2 silent mutations G1624 K1637 Contains SNP S1647T**

Price per aliquot:

**£110.00**