



## LRRK2

Expressed:

**FLAG LRRK2 T1343G R1398Q**

Plasmid:

**pCMV5 Flag LRRK2 T1343G R1398Q**

Parent Plasmid:

**pCMV5 FLAG**

DU Number:

**DU26739**

Species:

**Human**

Synonyms:

Sequence of Insert:

**GGATCCATGGCTAGTGGCAGCTGTCAGGGGTGCGAAGAGGACGAGGAACTCTGAAGAAGTTG  
ATAGTCAGGCTGAACAATGTCCAGGAAGGAAAACAGATAGAAACGCTGGTCCAAATCCTGGAG  
GATCTGCTGGTGTTCACGTA CTCCGAGCACGCCTCCAAGTTATTTCAAGGCAAAAATATCCATGT  
GCCTCTGTTGATCGTCTTGGACTCCTATATGAGAGTCGCGAGTGTGCAGCAGGTGGGTTGGTCA  
CTTCTGTGCAAATTAATAGAAGTCTGTCCAGGTACAATGCAAAGCTTAATGGGACCCCAGGATG  
TTGGAAATGATTGGGAAGTCCTTGGTGTTACCAATTGATTCTTAAAATGCTAACAGTTCATAAT  
GCCAGTGTAACCTTGTCAGTGATTGGACTGAAGACCTTAGATCTCCTCCTAACTTCAGGTA AAAAT  
CACCTTGCTGATATTGGATGAAGAAAGTGATATTTTCATGTTAATTTTTGATGCCATGCACTCATT  
TCCAGCCAATGATGAAGTCCAGAACTTGGATGCAAAGCTTTACATGTGCTGTTTGAGAGAGTCT  
CAGAGGAGCAACTGACTGAATTTGTTGAGAACAAGATTATATGATATTGTTAAGTGC GTTAAACA  
AATTTTAAAGATGAAGAGGAAATTGTGCTTCATGTGCTGCATTGTTTACATTCCCTAGCGATTCTT  
TGCAATAATGTGGAAGTCCTCATGAGTGGCAATGTCAGGTGTTATAATATTGTGGTGGAAAGCTAT  
GAAAGCATTCCCTATGAGTGAAAGAATTCAAGAAGTGAGTTGCTGTTTGCTCCATAGGCTTACAT  
TAGGTAATTTTTCAATATCCTGGTATTAACGAAGTCCATGAGTTTGTGGTGAAGCTGTGCAG  
CAGTACCCAGAGAATGCAGCATTGCAGATCTCAGCGCTCAGCTGTTTGGCCCTCCTCACTGAGA  
CTATTTTCTTAAATCAAGATTTAGAGGAAAAGAATGAGAATCAAGAGAATGATGATGAGGGGGA  
AGAAGATAAATTGTTTTGGCTGGAAGCCTGTTACAAAGCATTAACTGAGCATAGAAAGAACAAG  
CACGTGCAGGAGGCCGCATGCTGGGCACTAAATAATCTCCTTATGTACCAAACAGTTTACATG  
AGAAGATTGGAGATGAAGATGGCCATTTCCAGCTCATAGGGAAGTGATGCTCTCCATGCTGAT  
GCATTCTTCATCAAAGGAAGTTTTCCAGGCATCTGCGAATGCATTGTCAACTCTCTTAGAACAAA  
ATGTTAATTTAGAAAAATACTGTTATCAAAGGAATACACCTGAATGTTTTGGAGTTAATGCAG  
AAGCATATACATTCTCCTGAAGTGGCTGAAAGTGGCTGTAAAATGCTAAATCATCTTTTTGAAGG  
AAGCAACTTCCCTGGATATAATGGCAGCAGTGGTCCCCAAAATACTAACAGTTATGAAACGT  
CATGAGACATCATTACCAGTGCAGCTGGAGGCGCTTCGAGCTATTTTACATTTTATAGTGCCTGG  
CATGCCAGAAGAATCCAGGGAGGATACAGAATTTATCATAAGCTAAATATGGTTAAAAAACAG  
TGTTTCAAGAATGATATTCACAAACTGGTCCTAGCAGCTTTGAACAGGTTTCATTGGAAATCCTGG  
GATTCAGAAATGTGGATTA AAAAGTAATTTCTTCTATTGTACATTTTCTGATGCATTAGAGATGTT**

ATCCCTGGAAGGTGCTATGGATTCAAGTCTTCACACACTGCAGATGTATCCAGATGACCAAGAA  
ATTCAGTGTCTGGGTTAAGTCTTATAGGATACTTGATTACAAAGAAGAATGTGTTTCATAGGAAC  
TGGACATCTGCTGGCAAAAATTCTGGTTCCAGCTTATACCGATTTAAGGATGTTGCTGAAATAC  
AGACTAAAGGATTTTCAGACAATCTTAGCAATCCTCAAATTGTCAGCATCTTTTTCTAAGCTGCTG  
GTGCATCATTCAATTTGACTTAGTAATATTCCATCAAATGTCTTCCAATATCATGGAACAAAAGGAT  
CAACAGTTTCTAAACCTCTGTTGCAAGTGTGTTGCAAAAAGTAGCTATGGATGATTACTTAAAAAAT  
GTGATGCTAGAGAGAGCGTGTGATCAGAATAACAGCATCATGGTTGAATGCTTGCTTCTATTGG  
GAGCAGATGCCAATCAAGCAAAGGAGGGATCTTCTTTAATTTGTCAGGTATGTGAGAAAAGAGAG  
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TTGACGATAAGCATTGGGAAAGGTGACAGCCAGATCATCAGCTTGCTCTTAAGGAGGCTGGCCC  
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ATAGGAGAAGAATATTTGCTGGTTCCAAGCAGTTTGTCTGACCACAGGCCTGTGATAGAGCTTC  
CCCATTGTGAGAAGTCTGAAATTATCATCCGACTATATGAAATGCCTTATTTTCCAATGGGATTTT  
GGTCAAGATTAATCAATCGATTACTTGAGATTTACCTTACATGCTTTCAGGGAGAGAACGAGCA  
CTTCGCCCAAACAGAATGTATTGGCGACAAGGCATTTACTTAAATTGGTCTCCTGAAGCTTATTG

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TGTGGTGCTTTGCCACCTCCACCACCCAGTTTGATATCTTTGCTGGCAGCTGGGATTCTGCCCC  
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GAATAGTAGAGGGTTTGAAGTTTCAAATGAGTTTGATGAATTAGAAATACAAGGAAAATTACCT  
GATCCAGTTAAAGAATATGTTTGTGCCCCATGGCCTATGTTTGAGAAATTAATTAACAGTGTTT  
GAAAGAAAATCCTCAAGAAAGGCCTACTTCTGCCAGGTCTTTGACATTTTGAATTCAGCTGAAT  
TAGTCTGTCTGACGAGACGCATTTTATTACCTAAAAACGTAATTGTTGAATGCATGGTTGCTACA  
CATCACAACAGCAGGAATGCAAGCATTGGCTGGGCTGTGGGCACACCGACAGAGGACAGCTC  
TCATTTCTTGACTTAAATACTGAAGGATACACTTCTGAGGAAGTTGCTGATAGTAGAATATTGTG  
CTTAGCCTTGGTGCATCTTCTGTTGAAAAGGAAAGCTGGATTGTGTCTGGGACACAGTCTGGTA  
CTCTCCTGGTCATCAATACCGAAGATGGGAAAAGAGACATACCCTAGAAAAGATGACTGATTC  
TGTCACTTGTGTTGATTGCAATTCCTTTTCCAAGCAAAGCAAACAAAAAATTTTCTTTTGGTTGG  
AACCGCTGATGGCAAGTTAGCAATTTTGAAGATAAGACTGTTAAGCTTAAAGGAGCTGCTCCTT  
TGAAGATACTAAATATAGGAAATGTCAGTACTCCATTGATGTGTTTGAGTGAATCCACAAATTCA  
ACGGAAGAAATGTAATGTGGGGAGGATGTGGCACAAGATTTTCTCCTTTTCTAATGATTTTAC  
CATTCAGAACTCATTGAGACAAGAACAAGCCAAGTCTTTTCTTATGCAGCTTTTCAAGTATTCCA  
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GTGTGGGATAAGAAAACCTGAAAACCTCTGTGGACTAATAGACTGCGTGCACCTTTTAAAGGGAGG  
TAATGGTAAAAGAAAACAAGGAATCAAACACAAAATGTCTTATTCTGGGAGAGTGAAAACCTT  
CTGCCTTCAGAAGAACTGCTCTTTGGATAGGAACTGGAGGAGGCCATTTTTACTCCTGGATC  
TTTCAACTCGTCGACTTATACGTGTAATTTACAACCTTTTGTAAATTCGGTCAGAGTCATGATGACAG  
CACAGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTGGGCTACAACCGGAAAATACTGAAGG  
TACACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGTTTGGGACATCAATCTTCCACATGAA  
GTGCAAAATTTAGAAAACACATTGAAGTGAGAAAAGAATTAGCTGAAAAAATGAGACGAACAT  
CTGTTGAGTAAGAGAGAAATAGGCGGCCGC

Amino Acid Sequence:

MDYKDDDDKGSMSAGSCQGCCEEDLTKKLVRLNNVQEGKQIETLVQILEDLLVFTYSEHASKLFG  
GKNIHVPLLVDSYMRVASVQVGVWSLLCKLIEVCPGTMQSLMGPQDVGNWVGLGVHQLILKMLT  
VHNASVNLVIGLKTLDLLTSGKITLLILDEESDIFMLIFDAMHSFPANDEVQKLGCKALHVLFERVSE  
EQLTEFVENKDYMILLSALTNFKDEEIVLHVLHCLHSLAIPCNNVEVLMMSGNVRVYNIVVEAMKAFPM  
SERIQEVSCLLHRLTLGNFFNILVLNEVHEFVVKAVQQYPENAALQISALSCLALLTETIFLNQDLEEK  
NENQENDDEGEEDKLFWLEACYKALTWHRKNKHVQEAACWALNLLMYQNSLHEKIGDEDGHFPA  
HREVMLSMLMHSSSKEVFQASANALSTLLEQNVNFRKILLSKGIHLNVLELMQKHIHSPEVAESGCK  
MLNHLFEFSNTSLDIMAADVVPKILTVMKRHETSLPVQLEALRAILHFIVPGMPEESREDTEFHKLNMV  
KKQCFKNDIHKLVLAALNRFIGNPGIQKCGLKVIVSSIVHFPDALEMLSLEGAMDSVLHTLQMYPPDQEI  
QCLGLSLIGYLITKKNVFIGTGHLLAKILVSSLYRFKDVAEIQTKGFQTLAILKLSASFSLVHHSFDL  
VIFHQSSNIMEQKQDQFLNLCCKCFKAVMDDYLKNVMLERACDQNSIMVECLLLLGDANQAK  
EGSSLICQVCEKESPKLVELLLNSGSREQDVRKALTISIGKGDSSQIISLLRRLALDVANNSICLGGFC  
IGKVEPSWLGPLFPDKTSNLRKQTNIASTLARMVIRYQMKSAVEEGTAGSDGNFSEDVLSKFDEWT  
FIPDSSMDSVFAQSDDLSEGESEGSFLVKKKSNSISVGEFYRDAVLQRCSPLQRHSNSLGPFDHED  
LLKRKRKILSSDDSLRSSLKQSHMRHSDSISSLASEREYITSLDLSANELRDIDALSQKCCISVHLEHL

EKLELHQNALTSFPQQLCETLKSLTHLDLHSNKFTSFPSYLLKMSCIANLDVSRNDIGPSVVDPTVK  
CPTLKQFNLSYNQLSFVPENLTDVVEKLEQLILEGNKISGICSPRLKELKILNLSKNHISSLSENFLEA  
CPKVESFSARMNFLAAMPFLPPSMTILKLSQNKFSCICEAILNPLHLRSLDMSSNDIQYLPGPAHWKS  
LNLRELLFSHNQISILDSEKAYLWSRVEKHLHLSHNKLKEIPPEIGCLENLTSLDVSYNLELRSFPNEM  
GKLSKIWDLPLDELHLNFDKFKHIGCKAKDIIRFLQQRLKKAVPYNRMKLMIVGNGGSGKTTLLQQLMK  
TKKSDLGMQSATVGDVVDWPIQIRDKRKRDLVLNVWDFAGQEEFYSTHPHFMTRALYLAVYDLSK  
GQAEVDAMKPWLFNIKARASSSPVILVGTHLDVSDEKQRKACMSKITKELLNKRGFPAIRDYHFVNA  
TEESDALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFPVIDRKRLQLVRENQ  
LQLDENELPHAVHFLNESGVLLHFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRR  
DVEKFLSKKRKFPKNYMTQYFKLLEKFQIALPIGEEYLLVPSSLSDHRPVIELPHCENSEIIIRLYEMPYF  
PMGFWSRLINRLLLEISPYMLSGRERLRPNRMWYRQGIYLNWSPEAYCLVGSEVLDNHPESFLKITV  
PSCRKGCILLGQVVDHIDSLMEEWFPGLLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMKKA  
EGDLLVNPDPQRLTIPISQIAPDLILADLPRNIMLNDELEFEQAPEFLLGDGSGSVYRAAYEGEEVA  
VKIFNKHTSLRLLRQELVVLCHLHPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLTRLQH  
RIALHVADGLRYLHSAMIYRDLKPHNVLLFTLYPNAIIAKIADYGIAQYCCRMGIKTSEGTGPFRAPE  
VARGNVIYNQQADVYSFGLLLYDILTTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPMVEKLI  
KQCLKENPQERPTSAQVFDILNSAELVCLTRRILLPKNVIVECMVATHHNSRNASIWLGCGHDRGQL  
SFLDLNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDGKKRHTLEKMTDSVTCL  
YCNSFSKQSKQKNFLLVGTADGKLAIFEDKTVKLGAAPLKILNIGNVSTPLMCLSESTNSTERNVMW  
GGCGTKIFSFSNDFTIQKLIETRSTSQLFSYAAFSDSNITVVVDTALYIAKQNSPVVEVWDKTEKLCGLI  
DCVHFLREVMVKENKESKHKMSYSGRVKTLCCLQKNTALWIGTGGGHILLDLSTRRLIRVIYNFCNSV  
RVMMTAQLGSLKNVMLVLGYNRKNTEGTQKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKM  
RTSVE\*

Antibiotic:

**Amp**

Comments:

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

Price per aliquot:

**£110.00**

