



## LRRK2

Expressed:

**Flag LRRK2 M1-N2149**

Plasmid:

**pCMV5 Flag LRRK2 M1-N2149**

Parent Plasmid:

**pCMV5 FLAG**

DU Number:

**DU62523**

Species:

**Human**

Synonyms:

Sequence of Insert:

**GGATCCATGGCTAGTGGCAGCTGTCAGGGGTGCGAAGAGGACGAGGAAACTCTGAAGAAGTTG  
ATAGTCAGGCTGAACAATGTCCAGGAAGGAAAACAGATAGAAACGCTGGTCCAAATCCTGGAG  
GATCTGCTGGTGTTCACGTA CTCCGAGCACGCCTCCAAGTTATTTCAAGGCAAAAATATCCATGT  
GCCTCTGTTGATCGTCTTGGACTCCTATATGAGAGTCGCGAGTGTGCAGCAGGTGGGTTGGTCA  
CTTCTGTGCAAATTAATAGAAGTCTGTCCAGGTACAATGCAAAGCTTAATGGGACCCCAGGATG  
TTGGAAATGATTGGGAAGTCCTTGGTGTTACCAATTGATTCTTAAAATGCTAACAGTTCATAAT  
GCCAGTGTA AACTTGT CAGTGATTGGACTGAAGACCTTAGATCTCCTCCTAACTTCAGGTA AAT  
CACCTTGCTGATATTGGATGAAGAAAGTGATATTTTCATGTTAATTTTTGATGCCATGCACTCATT  
TCCAGCCAATGATGAAGTCCAGAACTTGGATGCAAAGCTTTACATGTGCTGTTTGAGAGAGTCT  
CAGAGGAGCAACTGACTGAATTTGTTGAGAACA AAGATTATATGATATTGTTAAGTGC GTTAACA  
AATTTTAAAGATGAAGAGGAAATTGTGCTTCATGTGCTGCATTGTTTACATTCCCTAGCGATTCT  
TGCAATAATGTGGAAGTCCTCATGAGTGGCAATGTCAGGTGTTATAATATTGTGGTGGAAAGCTAT  
GAAAGCATTCCCTATGAGTGAAAGAATTCAAGAAGTGAGTTGCTGTTTGCTCCATAGGCTTACAT  
TAGGTAATTTTTCAATATCCTGGTATTAACGAAGTCCATGAGTTTGTGGTGA AAGCTGTGCAG  
CAGTACCAGAGAATGCAGCATTGCAGATCTCAGCGCTCAGCTGTTTGGCCCTCCTCACTGAGA  
CTATTTTCTTAAATCAAGATTTAGAGGAAAAGAATGAGAATCAAGAGAATGATGATGAGGGGGA  
AGAAGATAAATTGTTTTGGCTGGAAGCCTGTTACAAAGCATTAACTGATGAGGAAACAAG  
CACGTGCAGGAGGCCGCATGCTGGGCACTAAATAATCTCCTTATGTACCAAACAGTTTACATG  
AGAAGATTGGAGATGAAGATGGCCATTTCCAGCTCATAGGGAAGTGATGCTCTCCATGCTGAT  
GCATTCTTCATCAAAGGAAGTTTTCCAGGCATCTGCGAATGCATTGTCAACTCTCTTAGAACAAA  
ATGTTAATTTAGAAAATACTGTTATCAAAGGAATACACCTGAATGTTTTGGAGTTAATGCAG  
AAGCATATACATTCTCCTGAAGTGGCTGAAAGTGGCTGTAAAATGCTAAATCATCTTTTTGAAGG  
AAGCAACTTCCCTGGATATAATGGCAGCAGTGGTCCCCAAAATACTAACAGTTATGAAACGT  
CATGAGACATCATTACCAGTGCAGCTGGAGGCGCTTCGAGCTATTTTACATTTTATAGTGCCTGG  
CATGCCAGAAGAATCCAGGGAGGATACAGAATTTATCATAAGCTAAATATGGTTAAAAAACAG  
TGTTTCAAGAATGATATTCACAAACTGGTCCTAGCAGCTTTGAACAGGTTTCATTGGAAATCCTGG  
GATTCAGAAATGTGGATTA AAGTAATTTCTTCTATTGTACATTTTCTGATGCATTAGAGATGTT**

ATCCCTGGAAGGTGCTATGGATTCAAGTCTTACACACTGCAGATGTATCCAGATGACCAAGAA  
ATTCAAGTGTCTGGGTTAAGTCTTATAGGATACTTGATTACAAAGAAGAATGTGTTTCATAGGAAC  
TGGACATCTGCTGGCAAAAATTCTGGTTTCCAGCTTATACCGATTTAAGGATGTTGCTGAAATAC  
AGACTAAAGGATTTCAAGACAATCTTAGCAATCCTCAAATTGTCAGCATCTTTTTCTAAGCTGCTG  
GTGCATCATTCAATTTGACTTAGTAATATTCCATCAAATGTCTTCCAATATCATGGAACAAAAGGAT  
CAACAGTTTCTAAACCTCTGTTGCAAGTGTGTTGCAAAAAGTAGCTATGGATGATTACTTAAAAAAT  
GTGATGCTAGAGAGAGCGTGTGATCAGAATAACAGCATCATGGTTGAATGCTTGCTTCTATTGG  
GAGCAGATGCCAATCAAGCAAAGGAGGGATCTTCTTTAATTTGTCAGGTATGTGAGAAAAGAGAG  
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CAGTACCTACCAGGTCCCGCACACTGGAAATCTTTGAACTTAAAGGGAAGTCTTATTTAGCCATAA  
TCAGATCAGCATCTTGGACTTGAGTGAAAAGCATATTTATGGTCTAGAGTAGAGAACTGCATC  
TTTCTCACAATAAACTGAAAGAGATTCTCCTGAGATTGGCTGTCTTGAAAATCTGACATCTCTG  
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CAGATCTTGAATGCAAAGTGCCACAGTTGGCATAGATGTGAAAGACTGGCCTATCCAAATAAG  
AGACAAAAGAAAGAGAGATCTCGTCTAAATGTGTGGGATTTTGCAGGTCGTGAGGAATTCTAT  
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ACAGGCTGAAGTTGATGCCATGAAGCCTTGGCTTCTCAATATAAAGGCTCGCGCTTCTTCTTCCC  
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TTTCAAGATCCGAGATCAGCTTGTGTTGGACAGCTGATTCCAGACTGCTATGTAGAAGTTGAAA  
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CCCATTGTGAGAAGTCTGAAATTATCATCCGACTATATGAAATGCCTTATTTTCCAATGGGATTTT  
GGTCAAGATTAATCAATCGATTACTTGAGATTTACCTTACATGCTTTCAGGGAGAGAACGAGCA  
CTTCGCCCAAACAGAATGTATTGGCGACAAGGCATTTACTTAAATGGTCTCCTGAAGCTTATTG

TCTGGTAGGATCTGAAGTCTTAGACAATCATCCAGAGAGTTTCTTAAAAATTACAGTTCCTTCTTG  
TAGAAAAGGCTGTATTCTTTTGGGCCAAGTTGTGGACCACATTGATTCTCTCATGGAAGAATGGT  
TTCCTGGGTTGCTGGAGATTGATATTTGTGGTGAAGGAGAACTCTGTTGAAGAAATGGGCATTA  
TATAGTTTTAATGATGGTGAAGAACATCAAAAAATCTTACTTGATGACTTGATGAAGAAAGCAGA  
GGAAGGAGATCTCTTAGTAAATCCAGATCAACCAAGGCTCACCATTCCAATATCTCAGATTGCC  
CCTGACTTGATTTTGGCTGACCTGCCTAGAAATATTATGTTGAATAATGATGAGTTGGAATTTGAA  
CAAGCTCCAGAGTTTCTCCTAGGTGATGGCAGTTTTGGATCAGTTTACCGAGCAGCCTATGAAG  
GAGAAGAAGTGGCTGTGAAGATTTTTAATAAACATACATCACTCAGGCTGTTAAGACAAGAGCT  
TGTGGTGCTTTGCCACCTCCACCACCCAGTTTGATATCTTTGCTGGCAGCTGGGATTCTGCCCC  
GGATGTTGGTGTGAGTTAGCCTCCAAGGGTTCCTTGGATCGCCTGCTTCAGCAGGACAAAGC  
CAGCCTCACTAGAACCCTACAGCACAGGATTGCACTCCACGTAGCTGATGGTTTGAGATACCTC  
CACTCAGCCATGATTATATACCGAGACCTGAAACCCACAATGTGCTGCTTTTCACACTGTATCC  
CAATGCTGCCATCATTGCAAAGATTGCTGACTACGGCATTGCTCAGTACTGCTGTAGAATGGGG  
ATAAAAACATCAGAGGGCACACCAGGGTTTCGTGCACCTGAAGTTGCCAGAGGAAATGTCATTT  
ATAACCAACAGGCTGATGTTTATTCATTTGGTTTACTACTCTATGACATTTTGACAACTGGAGGTA  
GAATAGTAGAGGGTTTGAAGTTTCAAATGAGTTTGATGAATTAGAAATACAAGGAAAATTACCT  
GATCCAGTTAAAGAATATGTTTGTGCCCCATGGCCTATGTTTGAAGAAATTAATTAACAGTGTTT  
GAAAGAAAATCCTCAAGAAAGGCCTACTTCTGCCAGGTCTTTGACATTTTGAATTCAGCTGAAT  
TAGTCTGTCTGACGAGACGCATTTTATTACCTAAAACTAAGAGAGAAATAGGCGGCCGC

Amino Acid Sequence:

MDYKDDDDKGSMAAGSCQGCDEEETLKKLIVRLNNVQEGKQIETLVQILEDLLVFTYSEHASKLFQ  
GKNIHVPLLIVLDSYMRVASVQQVGVSWLLCKLIEVCPGTMQSLMGPQDVGNDWEVLGVHQLILKMLT  
VHNASVNLVIGLKTLDLLTSGKITLLILDEESDIFMLIFDAMHSFPANDEVQKLGCKALHVLFERVSE  
EQLTEFVENKDYMILLSALTNFKDEEIVLHVLHCLHSLAIPCNNVEVLMMSGNVRCYNIVVEAMKAFPM  
SERIQEVSCLLHRLTLGNFFNILVLNEVHEFVVKAVQQYPENAALQISALSCLALLTETIFLNQDLEEK  
NENQENDEGEEDKLFWLEACYKALTWHRKKNKHVQEAACWALNNLLMYQNSLHEKIGDEDGHFPA  
HREVMLSMLMHSSSKEVFQASANALSTLLEQNVNFRKILLSKGIHLNVLELMQKHIHSPEVAESGCK  
MLNHLFEFSNTSLDIMAADVVPKILTVMKRHETSLPVQLEALRAILHFIVPGMPEESREDETFHHKLMV  
KKQCFKNDIHKLVLAALNRFIGNPGIQKCGLKVISSIVHFPDALEMLSLEGAMDSVLTLMQYPDDQEI  
QCLGLSLIGYLITKKNVFIGTGHLAKILVSSLYRFKDVAEIQTKGFQTLAILKLSASFSLLVHHSFDL  
VIFHQSSNIMEQKDQQLNLCKCFKAVMDDYLKNVMLERACDQNSIMVECLLLLGDANQAK  
EGSSLICQVCEKESPPLVELLLNSGSREQDVRKALTISIGKGDSSQIISLLRRALDVANNSICLGGFC  
IGKVEPSWLGPLFPDKTSNLRKQTNIASTLARMVIRYQMKSAVEEGTAGSGDGNFSEDVLSKFDEWT  
FIPDSSMDSVFAQSDDLDESEGSEGSFLVKKKSNSISVGEFYRDAVLQRCSPNLQRHSNSLGPFDHED  
LLKRKRKILSSDDSLRSSLKQSHMRHSDSISSLASEREYITSLDLSANELRDIDALSQKCCISVHLEHL  
EKLELHQNALTSFPQQLCETLKSHTLHDLHNSKFTSFPSYLLKMSCIANLDVSRNDIGPSVLDPTVK  
CPTLKQFNLSYNQLSFPENLTDVVEKLEQLILEGNKISGICSPRLKELKILNLSKNHISSLSENFLEA  
CPKVESFSARMNFLAAMPFLPPSMTILKLSQNKFSCIPAILNPLHRLSLDMSNDIQYLPGPAHWKS  
LNLRELLFSHNQISILDSEKAYLWSRVEKHLHSHNKLKEIPPEIGCLENLTSLDVSYNLELRSFPNEM  
GKLSKIWDLPDELHLNFDKFKHIGCKAKDIIRFLQQLKKAVPYNRMKLMIVGNTGSGKTTLLQQLMK  
TKKSDLGMQSATVGDVVDWPIQIRDKRKRDLVLNVWDFAGREEFYSTHPHFMTRALYLAVYDLSK  
GQAEVDAMKPWLFNIKARASSPVILVGTDLVSDKQKACMSKITKELLNKRGFPAIRDYHFVNA  
TEESDALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKILSERKNVPIEFPVIDRKRLQLVRENQ  
LQLDENELPHAVHFLNESGVLLHFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRR  
DVEKFLSKRKFKNYMTQYFKLLEKFQIALPIGEEYLLVPSSLSDRPVIELPHCENSEIIIRLYEMPYF  
PMGFWSRLINRLEISPYMLSGRERLRPNRMYWRQGIYLNWSPEAYCLVGSEVLDNHPEFLKITV  
PSCRKGCILLGQVVDHIDSLMEWFPGLLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMKKA  
EGDLLVNPDPRLTIPISQIAPDLILADLPRNIMLNDELEFEQAPEFLLGDGSGVYRAAYEGEEVA  
VKIFNKHTSLRLLRQELVVLCHLHHPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLRTLQ  
RIALHVADGLRYLHSAMIIYRDLKPHNVLLFTLYPNAIIAKIADYGIAQYCCRMGIKTSEGTGPFRAPE  
VARGNVIYNQQADVYSFGLLLYDILTTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPMVEKLI  
KQCLKENPQERPTSAQVFDILNSAELVCLTRRILLPKN\*

Antibiotic:

**Amp**

Comments:

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

Price per aliquot:

**£110.00**

