



## LRRK2

Expressed:

**GFP LRRK2 H970-end R1441G**

Plasmid:

**pcDNA5D FRT/TO GFP LRRK2 H970-end R1441G**

Parent Plasmid:

**pcDNA5D FRT/TO GFP**

DU Number:

**DU27105**

Species:

**Human**

Synonyms:

Sequence of Insert:

**CATTGAGACAGCATTCTTCTCTGGCTTCTGAGAGAGAATATATTACATCACTAGACCTTTCAGC  
AAATGAACTAAGAGATATTGATGCCCTAAGCCAGAAATGCTGTATAAGTGTTTCATTTGGAGCATC  
TTGAAAAGCTGGAGCTTCACCAGAATGCACTCACGAGCTTCCACAACAGCTATGTGAAACTCT  
GAAGAGTTTGACACATTTGGACTTGCACAGTAATAAATTTACATCATTTCCTTCTTATTTGTTGAA  
AATGAGTTGTATTGCTAATCTTGATGTCTCTCGAAATGACATTGGACCCTCAGTGGTTTTAGATCC  
TACAGTGAAATGTCCAACCTCTGAAACAGTTTAACTGTTCATATAACCAGCTGTCTTTTGTACCTG  
AGAACCTCACTGATGTGGTAGAGAACTGGAGCAGCTCATTTTAGAAGGAAATAAAATATCAGG  
GATATGCTCCCCCTTGAGACTGAAGGAACTGAAGATTTTAACTTAGTAAGAACCACATTTTCAT  
CCCTATCAGAGAACTTTCTTGAGGCTTGTCTTAAAGTGGAGAGTTTCAGTGCCAGAATGAATTTT  
CTTGCTGCTATGCCTTTCTTGCCTCCTTCTATGACAATCCTAAAATTATCTCAGAACAAATTTTCT  
GTATTCCAGAAGCAATTTTAAATCTTCCACACTTGCAGTCTTTAGATATGAGCAGCAATGATATTC  
AGTACCTACCAGGTCCCGCACACTGGAAATCTTTGAACTTAAGGGAACCTTATTTAGCCATAAT  
CAGATCAGCATCTTGGACTTGAGTGAAAAAGCATATTTATGGTCTAGAGTAGAGAACTGCATCT  
TTCTCACAATAAACTGAAAGAGATTCTCTGAGATTGGCTGTCTTGAAAATCTGACATCTCTGG  
ATGTCAGTTACAACCTTGGAACTAAGATCCTTTCCCAATGAAATGGGGAAATTAAGCAAATATGG  
GATCTTCTTTGGATGAACTGCATCTTAACTTTGATTTTAAACATATAGGATGTAAAGCCAAAGAC  
ATCATAAGGTTTCTTCAACAGCGATTAATAAAGGCTGTGCCTTATAACCGAATGAACTTATGAT  
TGTGGGAAATACTGGGAGTGGTAAAACCACCTTATTGCAGCAATTAATGAAAACCAAGAAATCA  
GATCTTGGAAATGCAAAGTGCCACAGTTGGCATAGATGTGAAAGACTGGCCTATCCAAATAAGAG  
ACAAAAGAAAGAGAGATCTCGTCCTAAATGTGTGGGATTTTGCAGGTCGTGAGGAATTCTATAG  
TACTCATCCCCATTTTATGACGCAGCGAGCATTGTACCTTGCTGTCTATGACCTCAGCAAGGGAC  
AGGCTGAAGTTGATGCCATGAAGCCTTGGCTCTTCAATATAAAGGCTGGCGCTTCTTCTTCCCCT  
GTGATTCTCGTTGGCACACATTTGGATGTTTCTGATGAGAAGCAACGCAAAGCCTGCATGAGTA  
AAATCACCAAGGAACTCCTGAATAAGCGAGGGTTCCCTGCCATACGAGATTACCACTTTGTGAA  
TGCCACCGAGGAATCTGATGCTTTGGCAAACTTCGGAAAACCATCATAAACGAGAGCCTTAAT  
TTCAAGATCCGAGATCAGCTTGTGTTGGACAGCTGATTCCAGACTGCTATGTAGAACTTGAAAA  
AATCATTTTATCGGAGCGTAAAAATGTGCCAATTGAATTTCCCGTAATTGACCGGAAACGATTAT**

TACAAC TAGTGAGAGAAAATCAGCTGCAGTTAGATGAAAATGAGCTTCCTCACGCAGTTCACTTT  
CTAAATGAATCAGGAGTCCTTCTTCATTTTCAAGACCCAGCACTGCAGTTAAGTGACTTGTACTTT  
GTGGAACCCAAGTGGCTTTGTAATAATCATGGCACAGATTTTGACAGTGAAAGTGGAAGGTTGTC  
CAAAACACCCTAAGGGAATTATTTTCGCGTAGAGATGTGGAATAATTTCTTTCAAAGAAAAGGAA  
ATTTCCAAAGAACTACATGACACAGTATTTAAGCTCCTAGAAAATTTCCAGATTGCTTTGCCAA  
TAGGAGAAGAATATTTGCTGGTTCCAAGCAGTTTGTCTGACCACAGGCCTGTGATAGAGCTTCC  
CCATTGTGAGAACTCTGAAATTATCATCCGACTATATGAAATGCCTTATTTTCCAATGGGATTTTG  
GTCAAGATTAATCAATCGATTACTTGAGATTTACCTTACATGCTTTCAGGGAGAGAACGAGCAC  
TTCGCCCAAACAGAATGTATTGGCGACAAGGCATTTACTTAAATTGGTCTCCTGAAGCTTATTGT  
CTGGTAGGATCTGAAGTCTTAGACAATCATCCAGAGAGTTTCTTAAAAATTACAGTTCTTCTTGT  
AGAAAAGGCTGTATTCTTTTGGGCCAAGTTGTGGACCACATTGATTCTCTCATGGAAGAATGGTT  
TCCTGGGTTGCTGGAGATTGATATTTGTGGTGAAGGAGAACTCTGTTGAAGAATGGGCATTAT  
ATAGTTTTAATGATGGTGAAGAACATCAAAAAATCTTACTTGATGACTTGATGAAGAAAGCAGAG  
GAAGGAGATCTCTTAGTAAATCCAGATCAACCAAGGCTCACCATTCCAATATCTCAGATTGCCCC  
TGACTTGATTTTGGCTGACCTGCCTAGAAATATTATGTTGAATAATGATGAGTTGGAATTTGAACA  
AGCTCCAGAGTTTCTCCTAGGTGATGGCAGTTTTGGATCAGTTTACCGAGCAGCCTATGAAGGA  
GAAGAAGTGGCTGTGAAGATTTTTAATAAACATACATCACTCAGGCTGTTAAGACAAGAGCTTGT  
GGTCTTTGCCACCTCCACCACCCAGTTTGATATCTTTGCTGGCAGCTGGGATTCTGCCCGGA  
TGTTGGTGTGAGTTAGCCTCCAAGGGTTCTTGGATCGCCTGCTTCAGCAGGACAAAGCCAG  
CCTCACTAGAACCCTACAGCACAGGATTGCACTCCACGTAGCTGATGTTTTGAGATACCTCCAC  
TCAGCCATGATTATACCGAGACCTGAAACCCACAATGTGCTGCTTTTCACACTGTATCCCAA  
TGCTGCCATCATTGCAAAGATTGCTGACTACGGCATTGCTCAGTACTGCTGTAGAATGGGGATA  
AAAACATCAGAGGGCACACCAGGGTTTCGTGCACCTGAAGTTGCCAGAGGAAATGTCATTTATA  
ACCAACAGGCTGATGTTTATTCATTTGGTTTACTACTCTATGACATTTTGACAACCTGGAGGTAGAA  
TAGTAGAGGGTTTGAAGTTTCAAATGAGTTTGATGAATTAGAAATACAAGGAAAATTACCTGAT  
CCAGTTAAAGAATATGGTTGTGCCCCATGGCCTATGGTTGAGAAATTAATTAACAGTGTTTGAA  
AGAAAATCCTCAAGAAAGGCCTACTTCTGCCAGGTCTTTGACATTTTGAATTCAGCTGAATTAG  
TCTGTCTGACGAGACGCATTTTATTACCTAAAAACGTAATTGTTGAATGCATGGTTGCTACACAT  
CACAACAGCAGGAATGCAAGCATTGGCTGGGCTGTGGGCACACCGACAGAGGACAGCTCTCA  
TTTCTTGACTTAAATACTGAAGGATACACTTCTGAGGAAGTTGCTGATAGTAGAATATTGTGCTTA  
GCCTTGGTGCATCTTCTGTTGAAAAGGAAAGCTGGATTGTGTCTGGGACACAGTCTGGTACTCT  
CCTGGTCATCAATACCGAAGATGGGAAAAGAGACATACCCTAGAAAAGATGACTGATTCTGTC  
ACTTGTGTTGATTGCAATTCCTTTTCCAAGCAAAGCAAACAAAAAATTTTCTTTTGGTTGGAACC  
GCTGATGGCAAGTTAGCAATTTTGAAGATAAGACTGTTAAGCTTAAAGGAGCTGCTCCTTTGAA  
GATACTAAATATAGGAAATGTCAGTACTCCATTGATGTGTTTGAAGTGAATCCACAAATTCAACGG  
AAAGAAATGTAATGTGGGGAGGATGTGGCACAAAGATTTTCTCCTTTTCTAATGATTTACCATT  
CAGAAACTCATTGAGACAAGAACAAGCCAACCTGTTTTCTTATGCAGCTTTCAGTGATTCCAACAT  
CATAACAGTGGTGGTAGACACTGCTCTCTATATTGCTAAGCAAATAGCCCTGTTGTGGAAGTGT  
GGGATAAGAAAACCTGAAAACCTCTGTGGACTAATAGACTGCGTGCACCTTTTAAAGGAGGTAAT  
GGTAAAAGAAAACAAGGAATCAAACACAAAATGTCTTATTCTGGGAGAGTGAAAACCCTCTGC  
CTTCAGAAGAACACTGCTCTTTGGATAGGAACTGGAGGAGGCCATATTTTACTCCTGGATCTTTC  
AACTCGTCGACTTATACGTGTAATTTACAACCTTTTGAATTCGGTCAGAGTCATGATGACAGCAC  
AGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTGGGCTACAACCGGAAAATACTGAAGGTAC  
ACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGTTTGGGACATCAATCTTCCACATGAAGTG  
CAAAATTTAGAAAACACATTGAAGTGAGAAAAGAATTAGCTGAAAAAATGAGACGAACATCTG  
TTGAGTAAGAGAGAAATAGGCGGCCG

Amino Acid Sequence:

MVSKGEELFTGVVPIVELDGDVNGHKFSVSGEGEDATYGKLTCLKFICTTGKLPVPWPTLVTTLYG  
VQCFSRYPDHMKQHDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGLTLVNRIELKIDFKEDG  
NILGHKLEYNYNSHNVYIMADKQKNGIKVNFKIRHNIEDGSVQLADHYQQNTPIGDGPVLLPDNHYST  
QSALSKDPNEKRDHMLLEFVTAAGITLGMDELYKSLGSHSDSISLASEREYITSLDLSANELRDID  
ALSQKCCISVHLEHLEKLELHQNALTSFPQQLCETLKSLTHLDLHSNKFTSFPSYLLKMSCIANLDVS  
RNDIGPSVVDPTVKCPTLKQFNLSYNQLSFVPENLTDVVEKLEQLILEGNKISGICSPLRLKELKILNL

SKNHISLSENFLEACP KVESFSARMNFLAAMPFLPPSMTILKLSQNKFSCIPAILNLPHLRSLDMSS  
NDIQYLPGPAHWKSLNLRRELLFSHNQISILDSEKAYLWSRVEKHLHSHNKLKEIPPEIGCLENLTSLD  
VSYNLELRSFPNEMGKLSKIWDLPLDELHLNFDKFKHIGCKAKDIIRFLQRLKKA VYPYRMKLMIVGN  
TGSGKTTLLQQLMKTKKSDLGMQSATVGDVVDWPIQIRDKRKRDLVLDVDFAGREEFYSTHPHF  
MTQRALYLAVYDLSKGQAEVDAMKPWLFNIKAGASSPVLVGTHTLDVSEDEKQRKACMSKITKELLN  
KRGFPAIRDYHFVNATEESDALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFP  
VIDRKRLQLVRENQLQLDENELPHAVHFLNESGVLLHFQDPALQLSDLYFVEPKWLCKIMAQILTVK  
VEGCPKHPKGIISRRDVEKFLSKKRKFPKNYMTQYFKLLEKFQIALPIGEEYLLVPSSLSDHRPVIELP  
HCENSEIIRLYEMPYFPMGFWSRLINRLLLEISPYMLSGRERLRPNRMYWRQGIYLNWSPEAYCLVG  
SEVLDNHPESFLKITVPSCKGKILLGQVVDHIDSLMEEWFPGLLEIDICGEGETLLKKWALYSFNDGE  
EHQKILLDDLMKKAEEGDLLVNPDPRLTIPISQIAPDLILADLPRNIMLNDELEFEQAPEFLLGDGSF  
GSVYRAAYEGEEVAVKIFNKHTSLRLLRQELVVLCHLHHPSLISLLAAGIRPRMLVMELASKGSLDRL  
LQQDKASLTRLQHRIALHVADGLRYLHSAMIIYRDLKPHNVLLFTLYPNAIIAKIADYGIAQYCCRM  
GIKTSEGTGFRAPPEARVARGNVIYNQQADVYSFGLLLYDILTTGGRIVEGLKFPNEFDELEIQGKLPDPV  
KEYGCAPWPMVEKLIKQCLKENPQERPTSAQVFDILNSAELVCLTRRILLPKNVIVECMVATHHNSRN  
ASIWLGCGHTRDGRQLSFLDLNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDG  
KKRHTLEKMTDSVTCLYCNSFSKQSKQKNFLLVGTADGKLAIFEDKTVKLGGAAPL KILNIGNVSTPL  
MCLSESTNSTERNVMWGGCGTKIFSFSNDFTIQKLIETRTSQLFSYAAFSDSNITVVVDTALYIAKQNS  
PVVEVWDKKTEKLCGLIDCVHFLREVMVKENKESKHKMSYSGRVKTLCLQKNTALWIGTGGGHILL  
DLSTRRLIRVIYNFCNSVRVMMTAQLGSLKNVMLVLGYNRKNTEGTQKQKEIQSCLTVWDINLPHEVQ  
NLEKHIEVRKELAEKMRRTSVE\*

Antibiotic:

**Amp**

Comments:

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

Price per aliquot:

**£110.00**