



## LRRK2

Expressed:

**FLAG LRRK2 H970-end Y1699C D2017A**

Plasmid:

**pCMV5 FLag LRRK2 H970-end Y1699C D2017A**

Parent Plasmid:

**pCMV5 FLAG**

DU Number:

**DU26727**

Species:

**Human**

Synonyms:

Sequence of Insert:

**GGATCCCATTTCAGACAGCATTCTTCTCTGGCTTCTGAGAGAGAATATATTACATCACTAGACCT  
TTCAGCAAATGAACTAAGAGATATTGATGCCCTAAGCCAGAAATGCTGTATAAGTGTTTCATTTGG  
AGCATCTTGAAAAGCTGGAGCTTCACCAGAATGCACTCACGAGCTTCCACAACAGCTATGTGA  
AACTCTGAAGAGTTTGACACATTTGGACTTGACACAGTAATAAATTTACATCATTTCCTTCTTATTT  
GTTGAAAATGAGTTGTATTGCTAATCTTGATGTCTCTCGAAATGACATTGGACCCTCAGTGGTTTT  
AGATCCTACAGTGAAATGTCCAACTCTGAAACAGTTTAACTGTGCATATAACCAGCTGTCTTTTG  
TACCTGAGAACCTCACTGATGTGGTAGAGAACTGGAGCAGCTCATTTTAGAAGGAAATAAAAT  
ATCAGGGATATGCTCCCCCTTGAGACTGAAGGAACTGAAGATTTTAACTTAGTAAGAACCAC  
ATTCATCCCTATCAGAGAACTTTCTTGAGGCTTGTCTAAAGTGGAGAGTTTCAGTGCCAGAAT  
GAATTTCTTGCTGCTATGCCTTTCTTGCTCCTTCTATGACAATCCTAAAATTATCTCAGAACAA  
ATTTCTGTATTCCAGAAGCAATTTTAAATCTTCCACACTTGCAGTCTTTAGATATGAGCAGCAA  
TGATATTCAGTACCTACCAGGTCCCGCACACTGGAAATCTTTGAACTTAAGGGAATCTTATTTA  
GCCATAATCAGATCAGCATCTTGGACTTGAGTGAAAAGCATATTTATGGTCTAGAGTAGAGAA  
ACTGCATCTTTCTCACAATAAACTGAAAGAGATTCTCCTGAGATTGGCTGTCTTGAAAATCTGA  
CATCTCTGGATGTCAGTTACAACCTTGGAACTAAGATCCTTTCCCAATGAAATGGGGAAATTAAGC  
AAAATATGGGATCTTCTTTGGATGAACTGCATCTTAACTTTGATTTTAAACATATAGGATGTAAA  
GCCAAAGACATCATAAGGTTTCTTCAACAGCGATTAAAAAAGGCTGTGCCTTATAACCGAATGA  
AACTTATGATTGTGGGAAATACTGGGAGTGGTAAACCACCTTATTGCAGCAATTAATGAAAACC  
AAGAAATCAGATCTTGAATGCAAAGTGCCACAGTTGGCATAGATGTGAAAGACTGGCCTATCC  
AAATAAGAGACAAAAGAAAGAGAGATCTCGTCCTAAATGTGTGGGATTTTGCAGGTCGTGAGGA  
ATTCTATAGTACTCATCCCATTTTATGACGCAGCGAGCATTGTACCTTGCTGTCTATGACCTCAG  
CAAGGGACAGGCTGAAGTTGATGCCATGAAGCCTTGGCTCTTCAATATAAAGGCTCGCGCTTCT  
TCTTCCCCTGTGATTCTCGTTGGCACACATTTGGATGTTTCTGATGAGAAGCAACGCAAAGCCTG  
CATGAGTAAAATCACCAGGAACTCCTGAATAAGCGAGGGTTCCCTGCCATACGAGATTACCAC  
TTTGTGAATGCCACCGAGGAATCTGATGCTTTGGCAAACCTTCGGAAAACCATCATAAACGAGA  
GCCTTAATTTCAAGATCCGAGATCAGCTTGTTGTTGGACAGCTGATTCCAGACTGCTATGTAGAA  
CTTGAAAAAATCATTATCGGAGCGTAAAAATGTGCCAATTGAATTTCCCGTAATTGACCGGAA**

ACGATTATTACAACACTAGTGAGAGAAAATCAGCTGCAGTTAGATGAAAATGAGCTTCCTCACGCA  
GTTCACTTTCTAAATGAATCAGGAGTCTTCTTCATTTTCAAGACCCAGCACTGCAGTTAAGTGA  
CTTGTACTTTGTGGAACCCAAGTGGCTTTGTAATAATCATGGCACAGATTTTGACAGTGAAAGTGG  
AAGTTGTCCAAAACACCCTAAGGGAATTATTCGCGTAGAGATGTGGAAAAATTTCTTTCAAAG  
AAAAGGAAATTTCCAAAGAACTACATGACACAGTATTTTAAGCTCCTAGAAAAATTCAGATTGC  
TTTGCCAATAGGAGAAGAATATTTGCTGGTTCCAAGCAGTTTGTCTGACCACAGGCCTGTGATAG  
AGCTTCCCATTGTGAGAACTCTGAAATTATCATCCGACTATATGAAATGCCTTGTTTTCCAATGG  
GATTTTGGTCAAGATTAATCAATCGATTACTTGAGATTTACCTTACATGCTTTCAGGGAGAGAA  
CGAGCACTTCGCCCAAACAGAATGTATTGGCGACAAGGCATTTACTTAAATTGGTCTCCTGAAG  
CTTATTGTCTGGTAGGATCTGAAGTCTTAGACAATCATCCAGAGAGTTTCTTAAAAATTACAGTTC  
CTTCTGTAGAAAAGGCTGTATTCTTTTGGGCCAAGTTGTGGACCACATTGATTCTCTCATGGAA  
GAATGGTTTCTGGGTTGCTGGAGATTGATATTTGTGGTGAAGGAGAAACTCTGTTGAAGAAATG  
GGCATTATATAGTTTTAATGATGGTGAAGAACATCAAAAAATCTTACTTGATGACTTGATGAAGA  
AAGCAGAGGAAGGAGATCTCTTAGTAAATCCAGATCAACCAAGGCTCACCATTCCAATATCTCA  
GATTGCCCTGACTTGATTTTGGCTGACCTGCCTAGAAATATTATGTTGAATAATGATGAGTTGG  
AATTTGAACAAGCTCCAGAGTTTCTCCTAGGTGATGGCAGTTTTGGATCAGTTTACCGAGCAGCC  
TATGAAGGAGAAGAAGTGGCTGTGAAGATTTTAAATAAACATACATCACTCAGGCTGTTAAGAC  
AAGAGCTTGTGGTGCTTTGCCACCTCCACCACCCAGTTTGATATCTTTGCTGGCAGCTGGGATT  
CGTCCCCGGATGTTGGTGTGAGTTAGCCTCCAAGGGTTCCTTGGATCGCCTGCTTCAGCAGG  
ACAAAGCCAGCCTCACTAGAACCCTACAGCACAGGATTGCACTCCACGTAGCTGATGGTTTGAG  
ATACCTCCACTCAGCCATGATTATATACCGAGACCTGAAACCCACAATGTGCTGCTTTTCACAC  
TGTATCCAATGCTGCCATCATTGCAAAGATTGCTGCCTACGGCATTGCTCAGTACTGCTGTAGA  
ATGGGGATAAAAACATCAGAGGGCACACCAGGGTTTCGTGCACCTGAAGTTGCCAGAGGAAAT  
GTCATTTATAACCAACAGGCTGATGTTTATTCATTTGGTTTACTACTCTATGACATTTTGACAAC  
GGAGGTAGAATAGTAGAGGGTTTGAAGTTTCAAATGAGTTTGATGAATTAGAAATACAAGGAA  
AATTACCTGATCCAGTTAAAGAATATGGTTGTGCCCATGGCCTATGGTTGAGAAATTAATTA  
CAGTGTGTTGAAAGAAAATCCTCAAGAAAGGCCTACTTCTGCCAGGTCTTTGACATTTTGAATTC  
AGCTGAATTAGTCTGTCTGACGAGACGCATTTTATTACCTAAAACGTAATTGTTGAATGCATGG  
TTGCTACACATACAACAGCAGGAATGCAAGCATTGGCTGGGCTGTGGGCACACCGACAGAG  
GACAGCTCTCATTTCTTGACTTAAATACTGAAGGATACACTTCTGAGGAAGTTGCTGATAGTAGA  
ATATTGTGCTTAGCCTTGGTGCATCTTCTGTTGAAAAGGAAAGCTGGATTGTGTCTGGGACACA  
GTCTGGTACTCTCCTGGTCATCAATACCGAAGATGGGAAAAAGAGACATACCCTAGAAAAGATG  
ACTGATTCTGTCACTTGTGTTGATTGCAATTCCTTTTCCAAGCAAAGCAAACAAAAAATTTTCTT  
TTGGTTGGAACCGCTGATGGCAAGTTAGCAATTTTGAAGATAAGACTGTTAAGCTTAAAGGAGC  
TGCTCCTTTGAAGATACTAAATATAGGAAATGTCAGTACTCCATTGATGTGTTTGAAGTGAATCCA  
CAAATTCAACGGAAAGAAATGTAATGTGGGGAGGATGTGGCACAAAGATTTTCTCCTTTTCTAAT  
GATTCACCATTAGAACTCATTGAGACAAGAACAAGCCAACCTGTTTTCTTATGCAGCTTTTCAG  
TGATTCCAACATCATAACAGTGGTGGTAGACACTGCTCTCTATATTGCTAAGCAAATAGCCCTG  
TTGTGGAAGTGTGGGATAAGAAAACACTGAAAACACTCTGTGGACTAATAGACTGCGTGCACCTTTTA  
AGGGAGGTAATGGTAAAAGAAAACAAGGAATCAAAACACAAAATGTCTTATTCTGGGAGAGTGA  
AAACCCTCTGCCTTCAGAAGAACACTGCTCTTTGGATAGGAACTGGAGGAGGCCATATTTTACTC  
CTGGATCTTTCAACTCGTCGACTTATACGTGTAATTTACAACCTTTTGTAAATTCGGTCAGAGTCATG  
ATGACAGCACAGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTGGGCTACAACCGGAAAAATA  
CTGAAGGTACACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGTTTTGGGACATCAATCTTCC  
ACATGAAGTGCAAATTTAGAAAAACACATTGAAGTGAGAAAAGAATTAGCTGAAAAAATGAGA  
CGAACATCTGTTGAGTAAGAGAGAAATAGGCGGCCGC

Amino Acid Sequence:

MDYKDDDDKGSHTSDSISSLASEREYITSLDLSANELRDIDALSQKCCISVHLEHLEKLELHQNALTSFP  
QQLCETLKLSTHLDLHSNKFTSFPSYLLKMSCIANLDVSRNDIGPSVVDPTVKCPTLKQFNLSYNQL  
SFVPENLTDVVEKLEQLILEGNKISGICSPRLKELKILNLSKNHISLSENFLEACPKNVESFSARMNFL  
AAMPFLPPSMTILKLSQNKFSCIPAILNPLHLRSLDMSSNDIQYLPGPAHWKSLNLRLLFSHNQISIL  
DLSEKAYLWSRVEKLHLSHNKLKEIPPEIGLENLTLSDVSYNLELRSFPNEMGKLSKIWDLPLDELH  
LNFDFKHIGCKAKDIIRFLQQRLKKAOPYNRMKLMIVGNTGSGKTTLLQQLMKTKKSDLGMQSATVGI

DVKDWPIQIRDKRKRDLVLNVWDFAGREEFYSTHPHMTQRALYLAVYDLSKGQAEVDAMKPWLFN  
IKARASSSPVILVGTHLDVSDDEKQRKACMSKITKELLNKRGFPAIRDYHFVNATEESDALAKLRKTIINE  
SLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFPVIDRKRLQLVRENQLQLDENELPHAVHFLN  
ESGULLHFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRRDVEKFLSKKRKFPKNY  
MTQYFKLLEKFQIALPIGEEYLLVPSSLSDHRPVIELPHCENSEIIIRLYEMPCFPMGFWSRLINRLEIS  
PYMLSGRERALARPNRMYWRQGIYLNWSPEAYCLVGSEVLDNHPESFLKITVPSCRKGCILLGQVVDH  
IDSLMEEWFPGLLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMKKAEEGDLLVNPDPRLTIPI  
SQIAPDLILADLPRNIMLNDELEFEQAPEFLLGDGSGFSVYRAAYEGEEVAVKIFNKHTSLRLLRQEL  
VVLCHLHHPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLTRTLQHRIALHVADGLRYLHSAM  
IYRDLKPHNVLLFTLYPNAIIAKIAAYGIAQYCCRMGIKTSEGTPGFRAPEVARGNVIYNQQADVYSF  
GLLLYDILTTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPMVEKLIKQCLKENPQERPTSAQ  
VFDILNSAELVCLTRRILLPKNVIVECMVATHHNSRNASIWLGCGHTDRGQLSFLDLNTEGYTSEEVA  
DSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDGKKRHTLEKMTDSVTCLYCNFSKQSKQKNFL  
LVGTADGKLAIFEDKTVKLGAAPLKILNIGNVSTPLMCLSESTNSTERNVMWGGCGTKIFSFSNDFTI  
QKLIETRSTQLFSYAAFSDSNIITVVVDTALYIAKQNSPVVEVWDDKTEKLCGLIDCVHFLREVMVKEN  
KESKHKMSYSGRVKTLCQLQKNTALWIGTGGGHILLDLSTRRLIRVIYNFCNSVRVMMTAQLGSLKNV  
MLVLGYNRKNTEGTQKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKMRRTSVE\*

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**