



## LRRK2

Expressed:

**FLAG LRRK2 H970-end R1441G G2019S**

Plasmid:

**pCMV5 Flag LRRK2 H970-end R1441G G2019S**

Parent Plasmid:

**pCMV5 FLAG**

DU Number:

**DU26705**

Species:

**Human**

Synonyms:

Sequence of Insert:

**GGATCCCATTTCAGACAGCATTCTTCTCTGGCTTCTGAGAGAGAATATATTACATCACTAGACCT  
TTCAGCAAATGAACTAAGAGATATTGATGCCCTAAGCCAGAAATGCTGTATAAGTGTTTCATTTGG  
AGCATCTTGAAAAGCTGGAGCTTCACCAGAATGCACTCACGAGCTTCCACAACAGCTATGTGA  
AACTCTGAAGAGTTTGACACATTTGGACTTGACACAGTAATAAATTTACATCATTTCCTTCTTATTT  
GTTGAAAATGAGTTGTATTGCTAATCTTGATGTCTCTCGAAATGACATTGGACCCTCAGTGGTTTT  
AGATCCTACAGTGAAATGTCCAACCTCTGAAACAGTTTAACTGTTCATATAACCAGCTGTCTTTTG  
TACCTGAGAACCCTCACTGATGTGGTAGAGAACTGGAGCAGCTCATTTTAGAAGGAAATAAAAT  
ATCAGGGATATGCTCCCCCTTGAGACTGAAGGAACTGAAGATTTTAACTTAGTAAGAACCAC  
ATTCATCCCTATCAGAGAACCTTCTTGAGGCTTGTCTAAAGTGGAGAGTTTCAGTGCCAGAAT  
GAATTTCTTGCTGCTATGCCTTTCTTGCTCCTTCTATGACAATCCTAAAATTATCTCAGAACAA  
ATTTCTGTATTCCAGAAGCAATTTTAAATCTTCCACACTTGCAGTCTTTAGATATGAGCAGCAA  
TGATATTCAGTACCTACCAGGTCCCGCACACTGGAAATCTTTGAACTTAAGGGAACCTTTATTTA  
GCCATAATCAGATCAGCATCTTGACTTGAGTGAAAAGCATATTTATGGTCTAGAGTAGAGAA  
ACTGCATCTTTCTCACAATAAACTGAAAGAGATTCTCCTGAGATTGGCTGTCTTGAAAATCTGA  
CATCTCTGGATGTCAGTTACAACCTTGGAACTAAGATCCTTTCCCAATGAAATGGGGAAATTAAGC  
AAAATATGGGATCTTCTTTGGATGAACTGCATCTTAACTTTGATTTTAAACATATAGGATGTAAA  
GCCAAAGACATCATAAGGTTTNTTCAACAGCGATTAAAAAAGGCTGTGCCTTATAACCGAATGA  
AACTTATGATTGTGGGAAATACTGGGAGTGGTAAACCACCTTATTGCAGCAATTAATGAAAACC  
AAGAAATCAGATCTTGAATGCAAAGTGCCACAGTTGGCATAGATGTGAAAGACTGGCCTATCC  
AAATAAGAGACAAAAGAAAGAGAGATCTCGTCCTAAATGTGTGGGATTTTGCAGGTCGTGAGGA  
ATTCTATAGTACTCATCCCATTTTATGACGCAGCGAGCATTGTACCTTGCTGTCTATGACCTCAG  
CAAGGGACAGGCTGAAGTTGATGCCATGAAGCCTTGGCTCTTCAATATAAAGGCTGGCGCTTCT  
TCTTCCCCTGTGATTCTCGTTGGCACACATTTGGATGTTTCTGATGAGAAGCAACGCAAAGCCTG  
CATGAGTAAAATCACCAGGAACTCCTGAATAAGCGAGGGTCCCTGCCATACGAGATTACCAC  
TTTGTGAATGCCACCGAGGAATCTGATGCTTTGGCAAACCTTCGGAAAACCATCATAACGAGA  
GCCTTAATTTCAAGATCCGAGATCAGCTTGTTGTTGGACAGCTGATTCCAGACTGCTATGTAGAA  
CTTGAAAAAATCATTTTATCGGAGCGTAAAAATGTGCCAATTGAATTTCCCGTAATTGACCGGAA**

ACGATTATTACAACACTAGTGAGAGAAAATCAGCTGCAGTTAGATGAAAATGAGCTTCCTCACGCA  
GTTCACTTTCTAAATGAATCAGGAGTCTTCTTCATTTTCAAGACCCAGCACTGCAGTTAAGTGA  
CTTGTACTTTGTGGAACCCAAGTGGCTTTGTAATAATCATGGCACAGATTTTGACAGTGAAAGTGG  
AAGTTGTCCAAAACACCCTAAGGGAATTATTCGCGTAGAGATGTGGAAAAATTTCTTTCAAAG  
AAAAGGAAATTTCCAAAGAACTACATGACACAGTATTTTAAGCTCCTAGAAAAATTCAGATTGC  
TTTGCCAATAGGAGAAGAATATTTGCTGGTTCCAAGCAGTTTGTCTGACCACAGGCCTGTGATAG  
AGCTTCCCATTGTGAGAACTCTGAAATTATCATCCGACTATATGAAATGCCTTATTTTCCAATGG  
GATTTTGGTCAAGATTAATCAATCGATTACTTGAGATTTACCTTACATGCTTTCAGGGAGAGAA  
CGAGCACTTCGCCCAAACAGAATGTATTGGCGACAAGGCATTTACTTAAATTGGTCTCCTGAAG  
CTTATTGTCTGGTAGGATCTGAAGTCTTAGACAATCATCCAGAGAGTTTCTTAAAAATTACAGTTC  
CTTCTGTAGAAAAGGCTGTATTCTTTTGGGCCAAGTTGTGGACCACATTGATTCTCTCATGGAA  
GAATGGTTTCTGGGTTGCTGGAGATTGATATTTGTGGTGAAGGAGAACTCTGTTGAAGAAATG  
GGCATTATATAGTTTTAATGATGGTGAAGAACATCAAAAAATCTTACTTGATGACTTGATGAAGA  
AAGCAGAGGAAGGAGATCTCTTAGTAAATCCAGATCAACCAAGGCTCACCATTCCAATATCTCA  
GATTGCCCTGACTTGATTTTGGCTGACCTGCCTAGAAATATTATGTTGAATAATGATGAGTTGG  
AATTTGAACAAGCTCCAGAGTTTCTCCTAGGTGATGGCAGTTTTGGATCAGTTTACCGAGCAGCC  
TATGAAGGAGAAGAAGTGGCTGTGAAGATTTTAAATAAACATACATCACTCAGGCTGTTAAGAC  
AAGAGCTTGTGGTGTCTTGGCACCTCCACCACCCAGTTTGATATCTTTGCTGGCAGCTGGGATT  
CGTCCCCGGATGTTGGTGTGAGTTAGCCTCCAAGGGTTCCTTGGATCGCCTGCTTCAGCAGG  
ACAAAGCCAGCCTCACTAGAACCCTACAGCACAGGATTGCACTCCACGTAGCTGATGGTTTGAG  
ATACCTCCACTCAGCCATGATTATATACCGAGACCTGAAACCCACAATGTGCTGCTTTTCACAC  
TGTATCCAATGCTGCCATCATTGCAAAGATTGCTGACTACAGCATTGCTCAGTACTGCTGTAGA  
ATGGGGATAAAAACATCAGAGGGCACACCAGGGTTTCGTGCACCTGAAGTTGCCAGAGGAAAT  
GTCATTTATAACCAACAGGCTGATGTTTATTCATTTGGTTTACTACTCTATGACATTTTGACAAC  
GGAGGTAGAATAGTAGAGGGTTTGAAGTTTCAAATGAGTTTGATGAATTAGAAATACAAGGAA  
AATTACCTGATCCAGTTAAAGAATATGGTTGTGCCCCATGGCCTATGGTTGAGAAATTAATTA  
CAGTGTGTTGAAAGAAAATCCTCAAGAAAGGCCTACTTCTGCCAGGTCTTTGACATTTTGAATTC  
AGCTGAATTAGTCTGTCTGACGAGACGCATTTTATTACCTAAAACGTAATTGTTGAATGCATGG  
TTGCTACACATACAACAGCAGGAATGCAAGCATTGGCTGGGCTGTGGGCACACCGACAGAG  
GACAGCTCTCATTTCTTGACTTAAATACTGAAGGATACACTTCTGAGGAAGTTGCTGATAGTAGA  
ATATTGTGCTTAGCCTTGGTGCATCTTCTGTTGAAAAGGAAAGCTGGATTGTGTCTGGGACACA  
GTCTGGTACTCTCCTGGTCAATACCGAAGATGGGAAAAGAGACATACCCTAGAAAAGATG  
ACTGATTCTGTCACTTGTGTTGATTGCAATTCCTTTTCCAAGCAAAGCAAACAAAAAATTTTCTT  
TTGGTTGGAACCGCTGATGGCAAGTTAGCAATTTTGAAGATAAGACTGTTAAGCTTAAAGGAGC  
TGCTCCTTTGAAGATACTAAATATAGGAAATGTCAGTACTCCATTGATGTGTTTGAAGTGAATCCA  
CAAATTCAACGGAAAGAAATGTAATGTGGGGAGGATGTGGCACAAAGATTTTCTCCTTTTCTAAT  
GATTCACCATTAGAACTCATTGAGACAAGAACAAGCCAACCTGTTTTCTTATGCAGCTTTTCAG  
TGATTCCAACATCATAACAGTGGTGGTAGACACTGCTCTCTATATTGCTAAGCAAATAGCCCTG  
TTGTGGAAGTGTGGGATAAGAAAACACTGAAAACACTCTGTGGACTAATAGACTGCGTGCACCTTTTA  
AGGGAGGTAATGGTAAAAGAAAACAAGGAATCAAAACACAAAATGTCTTATTCTGGGAGAGTGA  
AAACCCTCTGCCTTCAGAAGAACACTGCTCTTTGGATAGGAACTGGAGGAGGCCATATTTTACTC  
CTGGATCTTTCAACTCGTCGACTTATACGTGTAATTTACAACCTTTTGTAAATTCGGTCAGAGTCATG  
ATGACAGCACAGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTGGGCTACAACCGGAAAAATA  
CTGAAGGTACACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGTTTTGGGACATCAATCTTCC  
ACATGAAGTGCAAATTTAGAAAAACACATTGAAGTGAGAAAAGAATTAGCTGAAAAAATGAGA  
CGAACATCTGTTGAGTAAGAGAGAAATAGGCGGCCGC

Amino Acid Sequence:

MDYKDDDDKGSHTSDSISSLASEREYITSLDLSANELRDIDALSQKCCISVHLEHLEKLELHQNALTSFP  
QQLCETLKLSTHLDLHSNKFTSFPSYLLKMSCIANLDVSRNDIGPSVVDPTVKCPTLKQFNLSYNQL  
SFVPENLTDVVEKLEQLILEGNKISGICSPRLKELKILNLSKNHISLSENFLEACPKNVESFSARMNFL  
AAMPFLPPSMTILKLSQNKFSCIPAILNPLHLRSLDMSSNDIQYLPGPAHWKSLNLRLLFSHNQISIL  
DLSEKAYLWSRVEKLHLHSHNKLKEIPPEIGLENLTLSDVSYNLELRSFPNEMGKLSKIWDLPLDELH  
LNFDFKHIGCKAKDIIRFXQRLKKAVPYNRMKLMIVGNTGSGKTTLLQQLMKTKKSDLGMQSATVGI

DVKDWPIQIRDKRKRDLVLNVWDFAGREEFYSTHPHMTQRALYLAVYDLSKGQAEVDAMKPWLFN  
IKAGASSSPVILVGTHLDVSEDEKQRKACMSKITKELLNKRGFPAIRDYHFVNATEESDALAKLRKTIIN  
ESLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFVIDRKRLQLVRENQLQDENELPHAVHFL  
NESGVLLHFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRRDVEKFLSKKRKFPKN  
YMTQYFKLLEKFQIALPIGEEYLLVPSSLSDRHPVIELPHCENSEIIIRLYEMPYFPMGFWSRLINRLEI  
SPYMLSGRERALRPNRMWYWRQGIYLNWSPEAYCLVGSEVLDNHPESFLKITVPSCKRGCILLGQVVD  
HIDSLMEEWFPGLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMKKAEEGDLLVNPDPRLTI  
PISQIAPDLILADLPRNIMLNDELEFEQAPEFLLGDGSGFSVYRAAYEGEEVAVKIFNKHTSLRLLRQ  
ELVVLCHLHHPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLRTLQHRALHVADGLRYLHS  
AMIIYRDLKPHNVLLFTLYPNAIIAKIADYSIAQYCCRMGIKTSEGTPGFRAPEVARGNVIYNQQADV  
SFGLLLYDILTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPMVEKLIKQCLKENPQERPTS  
AQVFDILNSAELVCLTRRILLPKNVIVECMVATHHNSRNASIWLGCGHDRGQLSFLDLNTEGYTSEE  
VADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDGKKRHTLEKMTDSVTCLYCNSFSKQSKQKN  
FLLVGTADGKLAIFEDKTVKLGAAPLKILNIGNVSTPLMCLSESTNSTERNVMWGGCGTKIFSFSND  
FTIQKLIETRTSQLFSYAAFSDSNITVVVDTALYIAKQNSPVVEVWDDKTEKLCGLIDCVHFLREVMVK  
ENKESKHKMSYSGRVKTLCQKNTALWIGTGGGHILLDLSTRRLIRVIYNFCNSVRVMMTAQLGSLK  
NVMLVLGYNRKNTTEGTQKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKMRRTSVE\*

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**