

## LRRK2

Expressed:

**FLAG LRRK2 F553-end**

Plasmid:

**pCMV5 Flag LRRK2 F553-end**

Parent Plasmid:

**pCMV5 FLAG**

DU Number:

**DU26898**

Species:

**Human**

Synonyms:

Sequence of Insert:

**GGATCCTTCATTGGAATCCTGGGATTCAGAAATGTGGATTAAGTAATTTCTTCTATTGTACAT  
TTTCTGATGCATTAGAGATGTTATCCCTGGAAGGTGCTATGGATTCAGTGCTTCACACACTGCA  
GATGTATCCAGATGACCAAGAAATTCAGTGTCTGGGTTTAAGTCTTATAGGATACTTGATTACAA  
AGAAGAATGTGTTTCATAGGAACTGGACATCTGCTGGCAAAAATTCTGGTTTCCAGCTTATACCGA  
TTTAAGGATGTTGCTGAAATACAGACTAAAGGATTTTCAGACAATCTTAGCAATCCTCAAATTGTC  
AGCATCTTTTTCTAAGCTGCTGGTGCATCATTCAATTTGACTTAGTAATATTCCATCAAATGTCTTC  
CAATATCATGGAACAAAAGGATCAACAGTTTCTAAACCTCTGTTGCAAGTGTTTTGCAAAAAGTAG  
CTATGGATGATTACTTAAAAAATGTGATGCTAGAGAGAGCGTGTGATCAGAATAACAGCATCAT  
GGTTGAATGCTTGCTTCTATTGGGAGCAGATGCCAATCAAGCAAAGGAGGGATCTTCTTTAATTT  
GTCAGGTATGTGAGAAAGAGAGCAGTCCCAAATTGGTGGAACTCTTACTGAATAGTGGATCTCG  
TGAACAAGATGTACGAAAAGCGTTGACGATAAGCATTGGGAAAGGTGACAGCCAGATCATCAG  
CTTGCTCTTAAGGAGGCTGGCCCTGGATGTGGCCAACAATAGCATTTCCTTGAGGATTTTGTA  
TAGGAAAAGTTGAACCTTCTTGCTTGGTCTTTATTTCCAGATAAGACTTCTAATTTAAGGAAAC  
AAACAAATATAGCATCTACACTAGCAAGAATGGTGTGATCAGATATCAGATGAAAAGTGCTGTGGA  
AGAAGGAACAGCCTCAGGCAGCGATGGAAATTTTTCTGAAGATGTGCTGTCTAAATTTGATGAA  
TGGACCTTTATTCCTGACTCTTCTATGGACAGTGTGTTTGCTCAAAGTGATGACCTGGATAGTGA  
AGGAAGTGAAGGCTCATTTCTTGTAAGAAAGAAATCTAATTCAATTAGTGTAGGAGAATTTTACC  
GAGATGCCGTATTACAGCGTTGCTCACCAAATTTGCAAAGACATTCCAATTCCTTGGGGCCCAT  
TTTGATCATGAAGATTTACTGAAGCGAAAAAGAAAAATACTATCTTCAGATGATTCACTCAGGTC  
ATCAAACTTCAATCCCATATGAGGCATTTCAGACAGCATTCTTCTCTGGCTTCTGAGAGAGAAT  
ATATTACATCACTAGACCTTTCAGCAAATGAACTAAGAGATATTGATGCCCTAAGCCAGAAATGC  
TGTATAAGTGTTCAATTTGGAGCATCTTGAAGAGCTGGAGCTTCACCAGAATGCACTCACGAGCTT  
TCCACAACAGCTATGTGAAACTCTGAAGAGTTTGACACATTTGGACTTGCACAGTAATAAATTTA  
CATCATTTCTTCTTATTTGTTGAAAATGAGTTGTATTGCTAATCTTGATGTCTCTCGAAATGACAT  
TGGACCCTCAGTGGTTTTAGATCCTACAGTGAATGTCCAACCTCTGAAACAGTTTAACTGTGAT  
ATAACCAGCTGTCTTTGTACCTGAGAACCTCACTGATGTGGTAGAGAACTGGAGCAGCTCATT  
TTAGAAGGAAATAAAATATCAGGGATATGCTCCCCCTTGAGACTGAAGGAACTGAAGATTTTAA**

ACCTTAGTAAGAACCACATTTTCATCCCTATCAGAGAACTTTCTTGAGGCTTGTCCTAAAGTGGAG  
AGTTTCAGTGCCAGAATGAATTTTCTTGCTGCTATGCCTTTCTTGCTCCTTCTATGACAATCCTA  
AAATTATCTCAGAACAAATTTTCTGTATTCCAGAAGCAATTTTAAATCTTCCACACTTGCGGTCT  
TTAGATATGAGCAGCAATGATATTACAGTACCTACCAGGTCCCGCACACTGGAAATCTTTGAACTT  
AAGGGAACCTTATTTAGCCATAATCAGATCAGCATCTTGGACTTGAGTGAAAAAGCATATTTAT  
GGTCTAGAGTAGAGAACTGCATCTTCTCACAATAAACTGAAAGAGATTCTCCTGAGATTGGC  
TGTCTTGAAAATCTGACATCTCTGGATGTCAGTTACAACCTTGGAACCTAAGATCCTTTCCCAATGA  
AATGGGGAAATTAAGCAAAATATGGGATCTTCTTTGGATGAACTGCATCTTAACTTTGATTTTAA  
ACATATAGGATGTAAAGCCAAAGACATCATAAGGTTTCTTCAACAGCGATTAAAAAAGGCTGTG  
CCTTATAACCGAATGAACTTATGATTGTGGGAAATACTGGGAGTGGTAAAACCACCTTATTGCA  
GCAATTAATGAAAACCAAGAAATCAGATCTTGAATGCAAAGTGCCACAGTTGGCATAGATGTG  
AAAGACTGGCCTATCCAAATAAGAGACAAAAGAAAGAGAGATCTCGTCTAAATGTGTGGGATT  
TTGCAGGTCGTGAGGAATTCTATAGTACTCATCCCATTTTATGACGCAGCGAGCATTGTACCTT  
GCTGTCTATGACCTCAGCAAGGGACAGGCTGAAGTTGATGCCATGAAGCCTTGGCTCTTCAATA  
TAAAGGCTCGCGCTTCTTCTTCCCCTGTGATTCTCGTTGGCACACATTTGGATGTTTCTGATGAGA  
AGCAACGCAAAGCCTGCATGAGTAAAATCACCAAGGAACTCCTGAATAAGCGAGGGTTCCCTG  
CCATACGAGATTACCACTTTGTGAATGCCACCGAGGAATCTGATGCTTTGGCAAACTTCGGAA  
AACCATCATAAACGAGAGCCTTAATTTCAAGATCCGAGATCAGCTTGTTGTTGGACAGCTGATTC  
CAGACTGCTATGTAGAACTTGAAAAAATCATTTTATCGGAGCGTAAAAATGTGCCAATTGAATTT  
CCCGTAATTGACCGGAAACGATTATTACAACCTAGTGAGAGAAAATCAGCTGCAGTTAGATGAAA  
ATGAGCTTCTCACGCAGTTCACCTTCTAAATGAATCAGGAGTCTTCTTCAATTTTCAAGACCCA  
GCACTGCAGTTAAGTGACTTGTACTTTGTGGAACCCAAGTGGCTTTGTAATAATCATGGCACAGAT  
TTTGACAGTGAAAGTGGAAGGTTGTCCAAAACACCCTAAGGGAATTATTTCCGCGTAGAGATGTG  
GAAAAATTTCTTCAAAGAAAAGGAAATTTCAAAGAACTACATGACACAGTATTTTAAAGCTCCT  
AGAAAAATTCAGATTGCTTTGCCAATAGGAGAAGAATATTTGCTGGTTCCAAGCAGTTTGTCTG  
ACCACAGGCCTGTGATAGAGCTTCCCCATTGTGAGAACTCTGAAATTATCATCCGACTATATGAA  
ATGCCTTATTTTCCAATGGGATTTTGGTCAAGATTAATCAATCGATTACTTGAGATTTACCTTAC  
ATGCTTTCAGGGAGAGAACGAGCACTTCGCCAAACAGAAATGTATTGGCGACAAGGCATTTACT  
TAAATTGGTCTCCTGAAGCTTATTGTCTGGTAGGATCTGAAGTCTTAGACAATCATCCAGAGAGT  
TTCTTAAAATTACAGTTCCTTCTGTAGAAAAGGCTGTATTCTTTTGGGCCAAGTTGTGGACCAC  
ATTGATTCTCTCATGGAAGAATGGTTTCTGGGTTGCTGGAGATTGATATTTGTGGTGAAGGAGA  
AACTCTGTTGAAGAAATGGGCATTATATAGTTTTAATGATGGTGAAGAACATCAAAAAATCTTAC  
TTGATGACTTGATGAAGAAAGCAGAGGAAGGAGATCTCTTAGTAAATCCAGATCAACCAAGGCT  
CACCATTCCAATATCTCAGATTGCCCTGACTTGATTTTGGCTGACCTGCCTAGAAATATTATGTT  
GAATAATGATGAGTTGGAATTTGAACAAGCTCCAGAGTTTCTCCTAGGTGATGGCAGTTTGGAT  
CAGTTTACCGAGCAGCCTATGAAGGAGAAGAAGTGGCTGTGAAGATTTTAAATAAACATACATC  
ACTCAGGCTGTTAAGACAAGAGCTTGTGGTGTCTTGGCACCTCCACCACCCAGTTTGATATCTT  
TGCTGGCAGCTGGGATTCGTCCCCGGATGTTGGTGTATGGAGTTAGCCTCCAAGGGTTCCTTGA  
TCGCCTGCTTCAGCAGGACAAAGCCAGCCTCACTAGAACCCTACAGCACAGGATTGCACTCCAC  
GTAGCTGATGGTTTGAATACCTCCAATGCTGCCATCATTGCAAAGATTGCTGACTACGGCATT  
GCTCAGTACTGCTGTAGAATGGGGATAAAAACATCAGAGGGCACACCAGGGTTTCGTGCACCTG  
AAGTTGCCAGAGGAAATGTCATTTATAACCAACAGGCTGATGTTTATTCAATTTGGTTTACTACTCT  
ATGACATTTTGACAACCTGGAGGTAGAATAGTAGAGGGTTTGAAGTTTCCAAATGAGTTTGTGAA  
TTAGAAATACAAGGAAAATTACCTGATCCAGTTAAAGAATATGGTTGTGCCCATGGCCTATGGT  
TGAGAAATTAATTAACAGTGTTTGAAGAAAATCCTCAAGAAAGGCCTACTTCTGCCCAGGTCT  
TTGACATTTTGAATTCAGCTGAATTAGTCTGTCTGACGAGACGCATTTTATTACCTAAAAACGTAA  
TTGTTGAATGCATGGTTGCTACACATCACAACAGCAGGAATGCAAGCATTGGCTGGGCTGTGG  
GCACACCGACAGAGGACAGCTCTCATTCTTACTTAAATACTGAAGGATACACTTCTGAGGAA  
GTTGCTGATAGTAGAATATTGTGCTTAGCCTTGGTGCATCTTCTGTTGAAAAGGAAAGCTGGAT  
TGTGTCTGGGACACAGTCTGGTACTCTCCTGGTCATCAATACCGAAGATGGGAAAAAGAGACAT  
ACCCTAGAAAAGATGACTGATTCTGTCACTTGTGTTGATTGCAATTCCTTTTCCAAGCAAAGCAA  
ACAAAAAATTTTCTTTTGGTTGGAACCGCTGATGGCAAGTTAGCAATTTTGAAGATAAGACTG  
TTAAGCTTAAAGGAGCTGCTCCTTTGAAGATACTAAATATAGGAAATGTCAGTACTCCATTGATG

TGTTTGAGTGAATCCACAAATTCAACGGAAAGAAATGTAATGTGGGGAGGATGTGGCACAAGA  
TTTTCTCCTTTTCTAATGATTCACCATTGAGACAAGAACAAGCCAAGCAACTGTTTT  
CTTATGCAGCTTTTCAGTGATTCCAACATCATAACAGTGGTGGTAGACACTGCTCTCTATATTGCT  
AAGCAAAATAGCCCTGTTGTGGAAGTGTGGGATAAGAAAAGTGAAGAACTCTGTGGACTAATAG  
ACTGCGTGCACCTTTTAAGGGAGGTAATGGTAAAAGAAAACAAGGAATCAAAACACAAAATGTC  
TTATTCTGGGAGAGTGAAAACCCTCTGCCTTCAGAAGAACAAGTCTCTTTGGATAGGAACTGGA  
GGAGGCCATATTTACTCCTGGATCTTTCAACTCGTCGACTTATACGTGTAATTTACAACCTTTGT  
AATTCGGTCAGAGTCATGATGACAGCACAGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTGG  
GCTACAACCGGAAAAATACTGAAGGTACACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGT  
TTGGGACATCAATCTTCCACATGAAGTGCAAAATTTAGAAAAACACATTGAAGTGAGAAAAGAA  
TTAGCTGAAAAAATGAGACGAACATCTGTTGAGTAAGAGAGAAATAGGCGGCCGC

Amino Acid Sequence:

MDYKDDDDKGSFIGNPGIQKCGLVKVISSIVHFPDALEMLSLEGAMDSVLHTLQMYPDDQEIQCLGLSL  
IGYLITKKNVFIGTGHELLAKILVSSLYRFKDVAEIQTKGFQILAILKLSASFVSKLLVHHSFDLVIFHQMSS  
NIMEQKDDQFLNLCKCFKAVMDDYLKNVMLERACDQNNNSIMVECLLLGADANQAKEGSSLICQ  
VCEKESSPKLVELLNLSGSRQDVRKALTISIGKGDSSQIISLLLRRLALDVANNISICLGGFCIGKVEPS  
WLGPLFPDKTSNLRKQTNIASTLARMVIRYQMKSAVEEGTASGSDGNFSEVLSKFDEWTFIPDSSM  
DSVFAQSDLDSEGESEGSFLVKKKSNSISVGEFYRDAVLQRCSPNLQRHSNSLGPFDHEDLLKRKR  
KILSSDDSLRSSLQSHMRHSDSISSLASEREYITSLDLSANELRDIDALSQKCCISVHLEHLEKLELH  
QNALTSFPQQLCETLKSLTHLDLHNSKFTSFPSYLLKMSCIANLDVSRNDIGPSVVDPTVKCPTLKQ  
FNLSYNQLSFVPENLTDVVEKLEQLILEGNKISGICSPRLKELKILNLSKNHISLSENFLEACPKNES  
FSARMNFLAAMPFLPPSMTILKLSQNKFSCIPAILNPLHLRSLDMSSNDIQYLPGPAHWKSLNLR  
LFSHNQISILDSEKAYLWSRVEKLHLSHNKLKEIPPEIGCLENLTLSDVSYNLELRSFPNEMGKLSKI  
WDLPLDELHLNDFDKHIGCKAKDIIRFLQQLKAVPYNRMKLMIVGNTGSGKTTLLQQLMKTCKSD  
LGMQSATVGDVVDKDWPIQIRDRKRDLVNLVWDFAGREEFYSTHPHMTQRALYLAVYDLSKGQAE  
VDAMKPWLFNIKARASSSPVILVGHLDVSEKQRKACMSKITKELLNKRGFPAIRDYHFVNATEESD  
ALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFPVIDRKRLQLVRENQLQLDE  
NELPHAVHFLNESGVLLHFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRRDVEKF  
LSKKRKFKNYMTQYFKLLEKFQIALPIGEEYLLVPSLSDRHPVIELPHCENSEIIIRLYEMPYFPMGF  
WSRLINRLEISPYMLSGRERARPNRMYWRQGIYLNWSPEAYCLVGSEVLDNHPESFLKITVPSCR  
KGCILLGQVVDHIDSLMEEWFPGLLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMKKAEEGDL  
LVNPDQPRLTIPISQIAPDLILADLPRNIMLNDELEFEQAPEFLLGDGSGFSVYRAAYEGEEVAVKIFN  
KHTSLRLLRQELVVLCHLHPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLTRTLQHRIALH  
VADGLRYLHSAMIIYRDLKPHNVLLFTLYPNAIIAKIADYGIAQYCCRMGIKTSEGTGPFRAPEVARG  
NVIYNQQADVYSFGLLLYDILTTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPMVEKLIKQCL  
KENPQERPTSAQVFDILNSAELVCLTRRILLPKNVIVECMVATHHNSRNASIWLGCGHTRDGRQLSFLD  
LNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDGKKRHTLEKMTDSVTCLYCN  
SFSKQSKQKNFLLVGTADGKLAIFEDKTVKLGGAAPLKILNIGNVSTPLMCLSESTNSTERNVMWGG  
CGTKIFSFSNDFTIQKLIETRTSQLFSYAAFSDSNIITVVVDTALYIAKQNSPVVEVWDKCKTEKLCGLIDC  
VHFLREVMVKENKESKHKMSYSGRVKTLCLQKNTALWIGTGGGHILLDLSTRRLIRVIYNFCNSVRV  
MMAQLGSLKNVMLVLGYNRKNTEGTQKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKMRRT  
SVE\*

Comments:

All LRRK2 plasmids MUST be grown at 30C or less to prevent recombination 2 silent mutations  
G1624 K1637 Grow at or below 30°C Contains SNP S1647T

Price per aliquot:  
£110.00