



## LRRK2

Expressed:

**FLAG LRRK2 F553-end Y1699C**

Plasmid:

**pCMV5 Flag LRRK2 F553-end Y1699C**

Parent Plasmid:

**pCMV5 FLAG**

DU Number:

**DU26936**

Species:

**Human**

Synonyms:

Sequence of Insert:

```
GGATCCTTCATTGGAATCCTGGGATTCAGAAATGTGGATTAAGTAATTTCTTCTATTGTACAT
TTTCTGATGCATTAGAGATGTTATCCCTGGAAGGTGCTATGGATTCAGTGCTTCACACACTGCA
GATGTATCCAGATGACCAAGAAATTCAGTGTCTGGGTTTAAGTCTTATAGGATACTTGATTACAA
AGAAGAATGTGTTTCATAGGAACTGGACATCTGCTGGCAAAAATTCTGGTTTCCAGCTTATACCGA
TTTAAGGATGTTGCTGAAATACAGACTAAAGGATTTTCAGACAATCTTAGCAATCCTCAAATTGTC
AGCATCTTTTTCTAAGCTGCTGGTGCATCATTCAATTTGACTTAGTAATATTCCATCAAATGTCTTC
CAATATCATGGAACAAAAGGATCAACAGTTTCTAAACCTCTGTTGCAAGTGTTTTGCAAAAGTAG
CTATGGATGATTACTTAAAAAATGTGATGCTAGAGAGAGCGTGTGATCAGAATAACAGCATCAT
GGTTGAATGCTTGCTTCTATTGGGAGCAGATGCCAATCAAGCAAAGGAGGGATCTTCTTTAATTT
GTCAGGTATGTGAGAAAGAGAGCAGTCCCAAATTGGTGGAACTCTTACTGAATAGTGGATCTCG
TGAACAAGATGTACGAAAAGCGTTGACGATAAGCATTGGGAAAGGTGACAGCCAGATCATCAG
CTTGCTCTTAAGGAGGCTGGCCCTGGATGTGGCCAACAATAGCATTTCCTTGAGGATTTTGTA
TAGGAAAAGTTGAACCTTCTTGCTTGGTCTTTATTTCCAGATAAGACTTCTAATTTAAGGAAAC
AAACAAATATAGCATCTACACTAGCAAGAATGGTGTGATCAGATATCAGATGAAAAGTGCTGTGGA
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TGGACCTTTATTCTGACTCTTCTATGGACAGTGTGTTTGCTCAAAGTGATGACCTGGATAGTGA
AGGAAGTGAAGGCTCATTTCTTGTAAGAAAGAAATCTAATTCAATTAGTGTAGGAGAATTTTACC
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ATCAAACTTCAATCCCATATGAGGCATTGAGACAGCATTCTTCTCTGGCTTCTGAGAGAGAAT
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TTAGAAGGAAATAAAATATCAGGGATATGCTCCCCCTTGAGACTGAAGGAACTGAAGATTTTAA
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ACCTTAGTAAGAACCACATTTTCATCCCTATCAGAGAACTTTCTTGAGGCTTGTCTAAAGTGGAG  
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GGTCTAGAGTAGAGAACTGCATCTTTCTCACAATAAACTGAAAGAGATTCTCCTGAGATTGGC  
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GAATAATGATGAGTTGGAATTTGAACAAGCTCCAGAGTTTCTCCTAGGTGATGGCAGTTTGGAT  
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TGCTGGCAGCTGGGATTCGTCCCCGGATGTTGGTGTATGGAGTTAGCCTCCAAGGGTTCCTTGA  
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TTGTTGAATGCATGGTTGCTACACATCACAACAGCAGGAATGCAAGCATTGGCTGGGCTGTGG  
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GTTGCTGATAGTAGAATATTGTGCTTAGCCTTGGTGCATCTTCTGTTGAAAAGGAAAGCTGGAT  
TGTGTCTGGGACACAGTCTGGTACTCTCCTGGTCATCAATACCGAAGATGGGAAAAAGAGACAT  
ACCCTAGAAAAGATGACTGATTCTGTCACTTGTGTTGATTGCAATTCCTTTTCCAAGCAAAGCAA  
ACAAAAAATTTTCTTTTGGTTGGAACCGCTGATGGCAAGTTAGCAATTTTGAAGATAAGACTG  
TTAAGCTTAAAGGAGCTGCTCCTTTGAAGATACTAAATATAGGAAATGTCAGTACTCCATTGATG

TGTTTGAAGTGAATCCACAAATTCAACGGAAAGAAATGTAATGTGGGGAGGATGTGGCACAAGA  
TTTTCTCCTTTTCTAATGATTCACCATTGAGACAAGAACAAGCCAAGCTGTTTT  
CTTATGCAGCTTTTCAGTGATTCCAACATCATAACAGTGGTGGTAGACACTGCTCTCTATATTGCT  
AAGCAAAATAGCCCTGTTGTGGAAGTGTGGGATAAGAAAAGTGAAGAACTCTGTGGACTAATAG  
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AATTCGGTCAGAGTCATGATGACAGCACAGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTGG  
GCTACAACCGGAAAAATACTGAAGGTACACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGT  
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TTAGCTGAAAAAATGAGACGAACATCTGTTGAGTAAGAGAGAAATAGGCGGCCGC

Amino Acid Sequence:

MDYKDDDDKGSFIGNPGIQKCGLVKVISSIVHFPDALEMLSLEGAMDSVLHTLQMYPPDDQEIQLGLSL  
IGYLITKKNVFIGTGHELLAKILVSSLYRFKDVAEIQTKGFQTLAILKLSASFVSKLLVHHSFDLVIFHQMSS  
NIMEQKDDQFLNLCCKCFKAVMDDYLKNVMLERACDQNNSIMVECLLLGADANQAKEGSSLICQ  
VCEKESPKLVELLNSGSREQDVRKALTISIGKGDSSQIISLLLRRLALDVANNISICLGGFCIGKVEPS  
WLGPLFPDKTSNLRKQTNIASTLARMVIRYQMKSAVEEGTASGSDGNFSEVLSKFDEWTFIPDSSM  
DSVFAQSDLDSEGESEGSFLVKKKSNSISVGEFYRDAVLQRCSPNLQRHSNSLGPFDHEDLLKRKR  
KILSSDDSLRSSLQSHMRHSDSISSLASEREYITSLDLSANELRDIDALSQKCCISVHLEHLEKLELH  
QNALTSFPQQLCETLKSLTHLDLHNSKFTSFPSYLLKMSCIANLDVSRNDIGPSVVDPTVKCPTLKQ  
FNLSYNQLSFVPENLTDVVEKLEQLILEGNKISGICSPRLKELKILNLSKNHISLSENFLEACPKNVES  
FSARMNFLAAMPFLPPSMTILKLSQNKFSCIPAILNPLHLRSLDMSSNDIQYLPGPAHWKSLNLR  
LFSHNQISILDSEKAYLWSRVEKLHLSHNKLKEIPPEIGLENLTLSDVSYNLELRSPNEMGKLSKI  
WDLPLDELHLNDFDKHIGCKAKDIIRFLQQLKAVPYNRMKLMIVGNTGSGKTTLLQQLMKTCKSD  
LGMQSATVGDVWDPIQIRDRKRDLVNLVWDFAGREEFYSTHPHMTQRALYLAVYDLSKGQAE  
VDAMKPWLFNIKARASSPVLVGHLDVSEKQRKACMSKITKELLNKRGFPAIRDYHFVNATEESD  
ALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFPVIDRKRLQLVRENQLQLDE  
NELPHAVHFLNESGVLLHFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRRDVEKF  
LSKKRKFKNYMTQYFKLLEKFKIALPIGEEYLLVPSSLSDHRPVIELPHCENSEIIIRLYEMPCFPMGF  
WSRLINRLEISPYMLSGRERARPNRMYWRQGIYLNWSPEAYCLVGSEVLDNHPESFLKITVPSR  
KGCILLGQVVDHIDSLMEEWFPGLLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMKKAEEGDL  
LVNPDQPRLTIPISQIAPDLILADLPRNIMLNDELEFEQAPEFLLGDGSGFSVYRAAYEGEEVAVKIFN  
KHTSLRLLRQELVVLCHLHPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLRTTLQHRIALH  
VADGLRYLHSAMIIYRDLKPHNVLLFTLYPNAIIAKIADYGIAQYCCRMGIKTSEGTGPFRAPEVARG  
NVIYNQQADVYSFGLLLYDILTTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPMVEKLIKQCL  
KENPQERPTSAQVFDILNSAELVCLTRRILLPKNVIVECMVATHHNSRNASIWLGCGHTRDGRQLSFLD  
LNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDGKKRHTLEKMTDSVTCLYCN  
SFSKQSKQKNFLLVGTADGKLAIFEDKTVKLGGAAPLKILNIGNVSTPLMCLSESTNSTERNVMWGG  
CGTKIFSFSNDFTIQKLIETRSQLFYSYAAFSDSNIITVVVDTALYIAKQNSPVVEVWDKCKTEKLCGLIDC  
VHFLREVMVKENKESKHKMSYSGRVKTLCLQKNTALWIGTGGGHILLDLSTRRLIRVIYNFCNSVRV  
MMAQLGSLKNVMLVLGYNRKNTEGTQKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKMRRT  
SVE\*

Antibiotic:

**Amp**

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**