



LRRK2

Expressed:

FLAG-LRRK2 full S910/A

Plasmid:

pCMV-FLAG LRRK2 full S910/A 0.15 mg/ml

Parent Plasmid:

pCMV5 FLAG1

DU Number:

DU13822

Genbank:

XP_058513 AY792511

Species:

Human

Synonyms:

Sequence of Insert:

**GGATCCATGGCTAGTGGCAGCTGTCAGGGGTGCGAAGAGGACGAGGAACTCTGAAGAAGTTG
ATAGTCAGGCTGAACAATGTCCAGGAAGGAAAACAGATAGAAACGCTGGTCCAAATCCTGGAG
GATCTGCTGGTGTTCACGTACTCCGAGCACGCCTCCAAGTTATTTCAAGGCAAAAATATCCATGT
GCCTCTGTTGATCGTCTTGGACTCCTATATGAGAGTCGCGAGTGTGCAGCAGGTGGGTTGGTCA
CTTCTGTGCAAATTAATAGAAGTCTGTCCAGGTACAATGCAAAGCTTAATGGGACCCCAGGATG
TTGGAAATGATTGGGAAGTCCTTGGTGTTCACCAATTGATTCTTAAAATGCTAACAGTTCATAAT
GCCAGTGTAACCTTGTCAAGTATTGGACTGAAGACCTTAGATCTCCTCCTAACTTCAGGTAAAT
CACCTTGCTGATATTGGATGAAGAAAGTGATATTTTCATGTTAATTTTTGATGCCATGCACTCATT
TCCAGCCAATGATGAAGTCCAGAACTTGGATGCAAAGCTTTACATGTGCTGTTTGAGAGAGTCT
CAGAGGAGCAACTGACTGAATTTGTTGAGAACAAGATTATATGATATTGTTAAGTGCCTTAACA
AATTTTAAAGATGAAGAGGAAATTGTGCTTCATGTGCTGCATTGTTTACATTCCCTAGCGATTCT
TGCAATAATGTGGAAGTCCTCATGAGTGGCAATGTCAGGTGTTATAATATTGTGGTGGAAAGCTAT
GAAAGCATTCCCTATGAGTGAAAGAATTCAAGAAGTGAGTTGCTGTTTGCTCCATAGGCTTACAT
TAGGTAATTTTTCAATATCCTGGTATTAACGAAGTCCATGAGTTTGTGGTGAAGCTGTGCAG
CAGTACCCAGAGAATGCAGCATTGCAGATCTCAGCGCTCAGCTGTTTGGCCCTCCTCACTGAGA
CTATTTTCTTAAATCAAGATTTAGAGGAAAAGAATGAGAATCAAGAGAATGATGATGAGGGGGA
AGAAGATAAATTGTTTTGGCTGGAAGCCTGTTACAAAGCATTAACTGGCATAGAAAGAACAAG
CACGTGCAGGAGGCCGCATGCTGGGCACTAAATAATCTCCTTATGTACCAAACAGTTTACATG
AGAAGATTGGAGATGAAGATGGCCATTTCCAGCTCATAGGGAAGTGATGCTCTCCATGCTGAT
GCATTCTTCATCAAAGGAAGTTTTCCAGGCATCTGCGAATGCATTGTCAACTCTCTTAGAACAAA
ATGTTAATTTCAAGAAAATACTGTTATCAAAGGAATACACCTGAATGTTTTGGAGTTAATGCAG
AAGCATATACATTCTCCTGAAGTGGCTGAAAGTGGCTGTAAAATGCTAAATCATTTTTTGAAGG
AAGCAACACTTCCCTGGATATAATGGCAGCAGTGGTCCCCAAAATACTAACAGTTATGAAACGT
CATGAGACATCATTACCAGTGCAGCTGGAGGCGCTTCGAGCTATTTTACATTTTATAGTGCCTGG**

CATGCCAGAAGAATCCAGGGAGGATACAGAATTTTCATCATAAGCTAAATATGGTTAAAAACAG
TGTTTCAAGAATGATATTCACAACTGGTCTTAGCAGCTTTGAACAGGTTTCATTGGAAATCCTGG
GATTCAGAAATGTGGATTAAGTAATTTCTTCTATTGTACATTTTCTGATGCATTAGAGATGTT
ATCCCTGGAAGGTGCTATGGATTCAGTGCTTCACACACTGCAGATGTATCCAGATGACCAAGAA
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GTGCATCATTCAATTTGACTTAGTAATATTCCATCAAATGTCTTCCAATATCATGGAACAAAAGGAT
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AAATCATTTTATCGGAGCGTAAAATGTGCCAATTGAATTTCCCGTAATTGACCGGAAACGATTA
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ATAGGAGAAGAATATTTGCTGGTTCCAAGCAGTTTGTCTGACCACAGGCCTGTGATAGAGCTTC

CCCATTGTGAGAACTCTGAAATTATCATCCGACTATATGAAATGCCTTATTTTCCAATGGGATTTT
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CAAGCTCCAGAGTTTCTCCTAGGTGATGGCAGTTTTGGATCAGTTTACCGAGCAGCCTATGAAG
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CAGCCTCACTAGAACCCTACAGCACAGGATTGCACTCCACGTAGCTGATGGTTTGAGATACCTC
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ATAACCAACAGGCTGATGTTTATTCATTTGGTTTACTACTCTATGACATTTTGACAACCTGGAGGTA
GAATAGTAGAGGGTTTGAAGTTTCAAATGAGTTTGATGAATTAGAAATACAAGGAAAATTACCT
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GAAAGAAAATCCTCAAGAAAGGCCTACTTCTGCCAGGTCTTTGACATTTTGAATTCAGCTGAAT
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CTTAGCCTTGGTGCATCTTCTGTTGAAAAGGAAAGCTGGATTGTGTCTGGGACACAGTCTGGTA
CTCTCCTGGTCATCAATACCGAAGATGGGAAAAGAGACATACCCTAGAAAAGATGACTGATTC
TGTCACTTGTGTTGATTGCAATTCCTTTTCCAAGCAAAGCAAACAATAAATTTTCTTTTGGTTGG
AACCGCTGATGGCAAGTTAGCAATTTTGAAGATAAGACTGTTAAGCTTAAAGGAGCTGCTCCTT
TGAAGATACTAAATATAGGAAATGTCAGTACTCCATTGATGTGTTTGAGTGAATCCACAAATTCA
ACGGAAAGAAATGTAATGTGGGGAGGATGTGGCACAAGATTTTCTCCTTTTCTAATGATTCAC
CATTAGAACTCATTGAGACAAGAACAAGCCAAGTCTTTTCTTATGCAGCTTTCAGTGATTCCA
ACATCATAACAGTGGTGGTAGACTGCTCTCTATATTGCTAAGCAAATAGCCCTGTTGTGGAA
GTGTGGGATAAGAAAAGTGAATAACTCTGTGGACTAATAGACTGCGTGCACCTTTTAAAGGGAGG
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CTGCCTTCAGAAGAACTGCTCTTTGGATAGGAACTGGAGGAGGCCATTTTTACTCCTGGATC
TTTCAACTCGTCGACTTATACGTGTAATTTACAACCTTTTGTAAATTCGGTCAGAGTCATGATGACAG
CACAGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTGGGCTACAACCGGAAAATACTGAAGG
TACACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGTTTGGGACATCAATCTTCCACATGAA
GTGCAAAATTTAGAAAACACATTGAAGTGAGAAAAGAATTAGCTGAAAAAATGAGACGAACAT
CTGTTGAGTAAGCGGCCG

Amino Acid Sequence:

MDYKDDDDKGSMSAGSQCQCEEDEETLKKLIVRLNINVQEGKQIETLVQILEDLLVFTYSEHASKLFQ
GKNIHVPLLIVLDSYMRVASVQQVGVWSLLCKLIEVCPGTMQSLMGPQDVGNDWEVLGVHQLILKMLT
VHNASVNLVIGLKTLDLLTSGKITLLILDEESDIFMLIFDAMHSFPANDEVQKLGCKALHVLFERVSE
EQLTEFVENKDYMILLSALTNFKDEEIVLHVLHCLHSLAIPCNNVEVLMMSGNVRCYNIVVEAMKAFPM
SERIQEVSCLLHRLTLGNFFNILVLNEVHEFVVKAVQQYPENAALQISALSCLALLTETIFLNQDLEEK
NENQENDDEGEEDKLFWLEACYKALTWHRKKNKHVQEAACWALNLLMYQNSLHEKIGDEDGHFPA
HREVMLSMLMHSSSKEVFQASANALSTLLEQNVNFRKILLSKGIHLNVLELMQKHIHSPEVAESGCK
MLNHLFEQSNTSLDIMA AVVPKIL TVMKRHETSLPVQLEALRAILHFIVPGMPEESREDTEFHKLNMV
KKQCFKNDIHKLVLAALNRFIGNPGIQKCKLVISSIVHFPDALEMLSLEGAMDSVLHTLQMYPPDDQEI
QCLGLSLIGYLITKKNVFIGTGHLAKILVSSLYRFKDVAEIQTKGFQTLAILKLSASFSLLVHHSFDL
VIFHQSSNIMEQKDQQLNLCKCFKAVMDDYLKNVMLERACDQNSIMVECLLLL GADANQAK
EGSSLICQVCEKESP KLV ELLNSGSREQDVRKALTISIGK GDSQIISLLLRRALDVANNSICLGGFC

IGKVEPSWLGPLFPDKTSNLRKQTNIASLARMVIRYQMKSAVEEGTASGSDGNFSEDVLSKFDEWT
FIPDSSMDSVFAQSDDLSEGESEGSFLVKKKSNAISVGEFYRDAVLQRCSPNLQRHSNSLGPFDHED
LLKRKRKILSSDDSLRSSKLQSHMRHSDSISSLASEREYITSLDLSANELRDIDALSQKCCISVHLEHL
EKLELHQNALTSFPQQLCETLKSLTHLDLHSNKFTSFPSYLLKMSCIANLDVSRNDIGPSVVDPTVK
CPTLKQFNLSYNQLSFVPENLTDVVEKLEQLILEGNKISGICSPRLKELKILNLSKNHISSLENFLEA
CPKVESFSARMNFLAAMPFLPPSMTILKLSQNKFSCIPAILNPLHLRSLDMSSNDIQYLPGPAHWKS
LNLRELLFSHNQISILDSEKAYLWSRVEKLHLSHNKLKEIPPEIGCLENLTSLDVSYNLELRSFPNEM
GKLSKIWDLPLDELHLNFDKFKHIGCKAKDIIRFLQQRLKKAVPYNRMKLMIVGNTGSGKTTLLQQLMK
TKKSDLGMQSATVGDVWDPIQIRDKRKRDLVLNVWDFAGREEFYSTHPHMTQRALYLAVYDLSK
GQAEVDAMKPWLFNIKARASSPVILVGTSLDVSDEKQRKACMSKITKELLNKRGFPAIRDYHFVNA
TEESDALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFPVIDRKRLQLVRENQ
LQLDENELPHAVHFLNESGVLLHFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRR
DVEKFLSKKRKFPKNYMTQYFKLLEKFQIALPIGEEYLLVPSSLSDRPVIELPHCENSEIIIRLYEMPYF
PMGFWSRLINRLEISPYMLSGRERLRPNRMWRQGIYLNWSPEAYCLVGSEVLDNHPESFLKITV
PSCRKGCILLGQVVDHIDSLMEEWFPGLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMKKA
EGDLLVNPDPRLTIPISQIAPDLILADLPRNIMLNDELEFEQAPEFLLGDGSGFSVYRAAYEGEEVA
VKIFNKHTSLRLLRQELVVLCHLHHPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLTRLQH
RIALHVADGLRYLHSAMIYRDLKPHNVLLFTLYPNAIIAKIADYGIAQYCCRMGIKTSEGTGPFRAPE
VARGNVIYNQQADVSYFGLLLYDILTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPMVEKLI
KQCLKENPQERPTSAQVFDILNSAELVCLTRRILLPKNVIVECMVATHHNSRNASIWLGCGHTRDGRQL
SFLDLNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDGKKRHTLEKMTDSVTCL
YCNSFSKQSKQKNFLLVGTADGKLAIFEDKTVLKGAAPLKILNIGNVSTPLMCLSESTNSTERNVMW
GGCGTKIFSFSNDFTIQKLIETRSTQLFSYAAFSDSNITVVVDTALYIAKQNSPVVEVWDKKEKLCGLI
DCVHFLREVMVKENKESKHKMSYSGRVKTLCCLQKNTALWIGTGGGHILLDLSTRRLIRVIYNFCNSV
RVMMTAQLGSLKNVMLVLGYNRKNTGTQKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKM
RRTSVE*

Antibiotic:

Amp

Comments:

All LRRK2 plasmids MUST be grown at 30°C or less to prevent recombination Contains SNP S1647T

Price per aliquot:

£110.00