



LRRK2

Expressed:

FLAG LRRK2 Y250-end R1441G

Plasmid:

pCMV5 Flag LRRK2 Y250-end R1441G

Parent Plasmid:

pCMV5 FLAG

DU Number:

DU26892

Species:

Human

Synonyms:

Sequence of Insert:

**GGATCCTATAATATTGTGGTGGAAAGCTATGAAAGCATTCCCTATGAGTGAAAGAATCAAGAAGT
GAGTTGCTGTTTGCTCCATAGGCTTACATTAGGTAATTTTTCAATATCCTGGTATTAACGAAGT
CCATGAGTTTGTGGTGAAGCTGTGCAGCAGTACCCAGAGAATGCAGCATTGCAGATCTCAGCG
CTCAGCTGTTTGGCCCTCCTCACTGAGACTATTTTCTTAAATCAAGATTTAGAGGAAAAGAATGA
GAATCAAGAGAATGATGATGAGGGGGAAGAAGATAAATTGTTTTGGCTGGAAGCCTGTTACAAA
GCATTAACGTGGCATAGAAAGAACAAGCACGTGCAGGAGGCCGCATGCTGGGCACTAAATAAT
CTCCTTATGTACCAAACAGTTTACATGAGAAGATTGGAGATGAAGATGGCCATTTCCAGCTCA
TAGGGAAGTGATGCTCTCCATGCTGATGCATTCTTCATCAAAGGAAGTTTTCCAGGCATCTGCGA
ATGCATTGTCAACTCTCTTAGAACAAAATGTTAATTTAGAAAAATACTGTTATCAAAGGAATA
CACCTGAATGTTTTGGAGTTAATGCAGAAGCATATACATTCTCCTGAAGTGGCTGAAAGTGGCTG
TAAAATGCTAAATCATCTTTTTGAAGGAAGCAACACTTCCCTGGATATAATGGCAGCAGTGGTCC
CCAAAATACTAACAGTTATGAAACGTCATGAGACATCATTACCAGTGCAGCTGGAGGCGCTTCG
AGCTATTTTACATTTTATAGTGCCTGGCATGCCAGAAGAATCCAGGGAGGATACAGAATTTTCATC
ATAAGCTAAATATGGTTAAAAAACAGTGTTCAGAAATGATATTCACAAACTGGTCTTAGCAGCT
TTGAACAGGTTCAATTGGAATCCTGGGATTCAGAAATGTGGATTAAGTAATTTCTTCTATTGTA
CATTTTCTGATGCATTAGAGATGTTATCCCTGGAAGGTGCTATGGATTCAAGTCTTACACACT
GCAGATGTATCCAGATGACCAAGAAATTCAGTGTCTGGGTTTAAAGTCTTATAGGATACTTGATTA
CAAAGAAGAATGTGTTTCATAGGAACTGGACATCTGCTGGCAAAAATTCTGGTTTCCAGCTTATAC
CGATTTAAGGATGTTGCTGAAATACAGACTAAAGGATTTAGACAATCTTAGCAATCCTCAAATT
GTCAGCATCTTTTTCTAAGCTGCTGGTGCATCATTCAATTTGACTTAGTAATATCCATCAAATGTC
TTCCAATATCATGGAACAAAAGGATCAACAGTTTCTAAACCTCTGTTGCAAGTGTGTTGCAAAAAG
TAGCTATGGATGATTACTTAAAAAATGTGATGCTAGAGAGAGCGTGTGATCAGAATAACAGCAT
CATGGTTGAATGCTTGCTTCTATTGGGAGCAGATGCCAATCAAGCAAAGGAGGGATCTTCTTTAA
TTTGTCAGGTATGTGAGAAAGAGAGCAGTCCCAAATTGGTGGAACTCTTACTGAATAGTGGATCT
CGTGAACAAGATGTACGAAAAGCGTTGACGATAAGCATTGGGAAAGGTGACAGCCAGATCATC
AGCTTGCTCTTAAGGAGGCTGGCCCTGGATGTGGCCAACAATAGCATTTGCCTTGGAGGATTTT
GTATAGGAAAAGTTGAACCTTCTTGGCTTGGTCTTTATTTCCAGATAAGACTTCTAATTTAAGGA**

AACAAACAAATATAGCATCTACACTAGCAAGAATGGTGATCAGATATCAGATGAAAAGTGCTGT
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GAATGGACCTTTATTCTGACTCTTCTATGGACAGTGTGTTTGCTCAAAGTGATGACCTGGATAG
TGAAGGAAGTGAAGGCTCATTTCTTGTAAGAAAGAAATCTAATTCAATTAGTGTAGGAGAATTTT
ACCGAGATGCCGTATTACAGCGTTGCTCACCAAATTTGCAAAGACATTCCAATTCCTTGGGGCC
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CAATGTGCTGCTTTTCACACTGTATCCCAATGCTGCCATCATTGCAAAGATTGCTGACTACGGCA
TTGCTCAGTACTGCTGTAGAATGGGGATAAAAACATCAGAGGGGCACACCAGGGTTTCGTGCACC
TGAAGTTGCCAGAGGAAATGTCATTTATAACCAACAGGCTGATGTTTATTCATTTGTTTACTACT
CTATGACATTTTGACAACCTGGAGGTAGAATAGTAGAGGGTTTGAAGTTTCAAATGAGTTTGATG
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CTTTGACATTTTGAATTCAGCTGAATTAGTCTGTCTGACGAGACGCATTTTATTACCTAAAAACGT
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AAGTTGCTGATAGTAGAATATTGTGCTTAGCCTTGGTGCATCTTCTGTTGAAAAGGAAAGCTGG
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ATTTTCTCCTTTCTAATGATTTCCACCATTGAGAACTCATTGAGACAAGAACAAGCCAACCTGTTT
TCTTATGCAGCTTTCAGTGATTTCAACATCATAACAGTGGTGGTAGACACTGCTCTCTATATTGCT
AAGCAAAATAGCCCTGTTGTGGAAGTGTGGGATAAGAAAACCTGAAAACTCTGTGGACTAATAG
ACTGCGTGCACCTTTTAAAGGAGGTAATGGTAAAAGAAAACAAGGAATCAAACACAAAATGTC
TTATTCTGGGAGAGTGAAAACCTCTGCCTTCAGAAGAACAACCTGCTCTTTGGATAGGAACTGGA
GGAGGCCATATTTACTCCTGGATCTTTCAACTCGTCGACTTATACGTGTAATTTACAACCTTTGT
AATTCGGTCAGAGTCATGATGACAGCACAGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTGG
GCTACAACCGGAAAAATACTGAAGGTACACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGT
TTGGGACATCAATCTTCCACATGAAGTGCAAAATTTAGAAAAACACATTGAAGTGAGAAAAGAA
TTAGCTGAAAAAATGAGACGAACATCTGTTGAGTAAGAGAGAAATAGGCGGCCGC

Amino Acid Sequence:

MDYKDDDDKGSYNIVVEAMKAFPMSERIQEVSCLLHRLTLGNFFNILVLNEVHEFVVKAVQQYPEN
AALQISALSCLALLTETIFLNQDLEEKNEQENDDEGEEDKLFWLEACYKALTWHRKNKHVQEAAC
WALNNLLMYQNSLHEKIGDEDGHFPAHREVMLSMLMHSSSKEVFQASANALSTLLEQNVNFRKILLS
KGIHLNVLELMQKHIHSPEVAESGCKMLNHLFEQSNTSLDIMAADVVPKILTVMKRHETSLPVQLEALR
AILHFIVPGMPEESREDTEFHHLNMVKKQCFKNDIHLVLAALNRFIGNPGIQKCGLVKVISSIVHFPDA
LEMLSLEGAMDSVLHTLQMYPPDDQEIQLGLSLIGYLITKKNVFIGTGHLLAKILVSSLYRFKDVAEIQT
KGFQTLAILKLSASFSKLLVHHSFDLVIFHQMSSNIMEQKDQQLNLCCKCFKAVMDDYLKNVMLE
RACDQNSIMVECLLLLGDANQAKEGSSLICQVCEKESPKLVELLLNSGSREQDVRKALTISIGKG
DSQIISLLRRALDVANNSICLGGFCIGKVEPSWLGPLFPDKTSNLRKQTNIASTLARMVIRYQMKSA
VEEGTAGSDGNFSEDVLSKFDEWTFIPDSSMDSVFAQSDDLSEGESEGSFLVKKKSNSISVGEFYR
DAVLQRCSPNLQRHSNSLGPFDHEDLLKRKRKILSSDLSLRSSKLQSHMRHSDSISSLASEREYITSL
DLSANELRDIDALSQKCCISVHLEHLEKLELHQNALTSFPQQLCETLKSLLHDLHSNKFTSFPSYLLK
MSCIANLDVSRNDIGPSVLDPTVKCPTLKQFNLSYNQLSFVPENLTDVVEKLEQLILEGNKISGICSP
RLKELKILNLSKNHISSLSENFLEACPKEVESFSARMNFLAAMPFLPPSMTILKLSQNKFSCEIPEAILNLP
HLRSLDMSSNDIQYLPGAHWKSLNRELFSHNQISILDSEKAYLWSRVEKLHLSHNKLKEIPPEIG
CLENLTSLDVSYNLELRSFPNEMGKLSKIWDLPDELHLNFDKFKHIGCKAKDIIRFLQQLKAVPYN
RMKLMIVGNTGSGKTTLLQQLMKTCKSDLGMQSATVVIDKDWPIQIRDKRKRDLVLNVWDFAGRE
EFYSTHPHFMTQRALYLAVYDLSKGQAEVDAMKPWLFNIKAGASSPVILVGTDLVSDVDEKQRKAC
MSKITKELLNKRGFPAIRDYHFVNATEESDALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILS
ERKNVPIEFVIDRKRLQLVRENQLQLDENELPHAVHFLNESGVLLHFQDPALQLSDLYFVEPKWLC
KIMAQILTVKVEGCPKHPKGIISRRDVEKFLSKKRKFPKNYMTQYFKLLEKFQIALPIGEEYLLVPSSLS
DHRPVIELPHCENSEIIIRLYEMPYFPMGFWSRLINRLEISPYMLSGRERLRPNRMYWRQGIYLNWS
PEAYCLVGSEVLDNHPEFSLKITVPSCRKGCILLGQVVDHIDSLMEEWFPGLEIDICGEGETLLKWA
LYSFNDGEEHQKILLDDLMKKAEEGDLLVNPDPRLTIPISQIAPDLILADLPRNIMLNDELEFEQAPE
FLLGDGSGFSVYRAAYEGEEVAVKIFNKHTSLRLLRQELVVLCHLHPSLISLLAAGIRPMLVMELA
SKGSLDRLLQQDKASLTRLQHRIALHVADGLRYLHSAMIYRDLKPHNVLLFTLYPNAIIAKIADYGI
AQYCCRMGIKTSEGTGPFRAPEVARGNVIYNQQADVYSFGLLLYDILTTGGRIVEGLKFPNEFDELEIQ

GKLPDPVKEYGCAPWPMVEKLIKQCLKENPQERPTSAQVFDILNSAELVCLTRRILLPKNVIVECMVA
THNSRNASIWLGCGHDRGQLSFLDLNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLL
VINTEDGKKRHTLEKMTDSVTCLYCNSFSKQSKQKNFLLVGTADGKLAIFEDKTVKLKGAAPLKILNI
GNVSTPLMCLSESTNSTERNVMWGGCGTKIFSFSNDFTIQKLIETRSTQLFSYAAFSDSNITVVVDTA
LYIAKQNSPVVEVWDKKTEKLCGLIDCVHFLREVMVKENKESKHMSYSGRVKTLCCLQKNTALWIGT
GGHILLDLSTRRLIRVIYNFCNSVRVMMTAQLGSLKNVMLVLGYNRKNTEGTQKQKEIQSCLTVW
DINLPHEVQNLEKHIEVRKELAEKMRRTSVE*

Antibiotic:

Amp

Comments:

**All LRRK2 plasmids mUST be grown at 30C or less to prvent recombination. 2 silent mutations
G1624 K1637 Grow at or below 30°C Contains SNP S1647T**

Price per aliquot:

£110.00