



LRRK2

Expressed:

FLAG-LRRK2 wt

Plasmid:

pBabe.puro-FLAG LRRK2

Parent Plasmid:

pBABE puro FLAG

DU Number:

DU34452

Species:

Human

Synonyms:

Sequence of Insert:

```
ggatccATGGCTAGTGGCAGCTGTCAGGGGTGCGAAGAGGACGAGGAACTCTGAAGAAGTTGA  
TAGTCAGGCTGAACAATGTCCAGGAAGGAAAACAGATAGAAACGCTGGTCCAAATCCTGGAGG  
ATCTGCTGGTGTTCACGTA CTCCGAGCACGCCTCCAAGTTATTTCAAGGCAAAAATATCCATGTG  
CCTCTGTTGATCGTCTTGGACTCCTATATGAGAGTCGCGAGTGTGCAGCAGGTGGGTTGGTCAC  
TTCTGTGCAAATTAATAGAAGTCTGTCCAGGTACAATGCAAAGCTTAATGGGACCCCAGGATGTT  
GGAAATGATTGGGAAGTCCTTGGTGTTCACCAATTGATTCTTAAAATGCTAACAGTTCATAATGC  
CAGTGTAACCTTGTCAGTGATTGGACTGAAGACCTTAGATCTCCTCCTAACTTCAGGTAAAATCA  
CCTTGCTGATATTGGATGAAGAAAGTGATATTTTCATGTTAATTTTTGATGCCATGCACTCATTTC  
CAGCCAATGATGAAGTCCAGAACTTGGATGCAAAGCTTTACATGTGCTGTTTGAGAGAGTCTC  
AGAGGAGCAACTGACTGAATTTGTTGAGAACAAGATTATATGATATTGTTAAGTGCGTAAACAA  
ATTTTAAAGATGAAGAGGAAATTGTGCTTCATGTGCTGCATTGTTTACATTCCCTAGCGATTCTT  
GCAATAATGTGGAAGTCCTCATGAGTGGCAATGTCAGGTGTTATAATATTGTGGTGGAAAGCTATG  
AAAGCATTCCCTATGAGTGAAAGAATTCAAGAAGTGAGTTGCTGTTTGCTCCATAGGCTTACATT  
AGGTAATTTTTTCAATATCCTGGTATTAACGAAGTCCATGAGTTTGTGGTGAAGCTGTGCAGC  
AGTACCCAGAGAATGCAGCATTGCAGATCTCAGCGCTCAGCTGTTTGGCCCTCCTCACTGAGAC  
TATTTTCTTAAATCAAGATTTAGAGGAAAAGAATGAGAATCAAGAGAATGATGATGAGGGGGAA  
GAAGATAAATTGTTTTGGCTGGAAGCCTGTTACAAAGCATTAACTGCGCATAGAAAGAACAAGC  
ACGTGCAGGAGGCCGCATGCTGGGCACTAAATAATCTCCTTATGTACCAAACAGTTTACATGA  
GAAGATTGGAGATGAAGATGGCCATTTCCAGCTCATAGGGAAGTGATGCTCTCCATGCTGATG  
CATTCTTCATCAAAGGAAGTTTTCCAGGCATCTGCGAATGCATTGTCAACTCTTTAGAACAAAA  
TGTTAATTTTCAAAAAATACTGTTATCAAAGGAATACACCTGAATGTTTTGGAGTTAATGCAGA  
AGCATATACATTCTCCTGAAGTGGCTGAAAGTGGCTGTAAAATGCTAAATCATCTTTTTGAAGGA  
AGCAACACTTCCCTGGATATAATGGCAGCAGTGGTCCCCAAAATACTAACAGTTATGAAACGTC  
ATGAGACATCATTACCAGTGCAGCTGGAGGCGCTTCGAGCTATTTTACATTTTATAGTGCCTGGC  
ATGCCAGAAGAATCCAGGGAGGATACAGAATTTTCATCATAAGCTAAATATGGTTAAAAAACAGT  
GTTTCAAGAATGATATTCACAAACTGGTCTTAGCAGCTTTGAACAGGTTTCATTGGAAATCCTGGG  
ATTCAGAAATGTGGATTAAGTAATTTCTTCTATTGTACATTTTCTGATGCATTAGAGATGTTA
```

TCCCTGGAAGGTGCTATGGATTCAGTGCTTCACACACTGCAGATGTATCCAGATGACCAAGAAA
TTCAGTGTCTGGGTTTAAGTCTTATAGGATACTTGATTACAAAGAAGAATGTGTTTCATAGGAACT
GGACATCTGCTGGCAAAAATTCTGGTTTCCAGCTTATACCGATTTAAGGATGTTGCTGAAATACA
GACTAAAGGATTTTCAGACAATCTTAGCAATCCTCAAATTGTCAGCATCTTTTTCTAAGCTGCTGGT
GCATCATTCAATTTGACTTAGTAATATCCATCAAATGTCTTCCAATATCATGGAACAAAAGGATCA
ACAGTTTCTAAACCTCTGTTGCAAGTGTTTTGCAAAAAGTAGCTATGGATGATTACTTAAAAAATGT
GATGCTAGAGAGAGCGTGTGATCAGAATAACAGCATCATGGTTGAATGCTTGCTTCTATTGGGA
GCAGATGCCAATCAAGCAAAGGAGGGATCTTCTTTAATTTGTCAGGTATGTGAGAAAGAGAGCA
GTCCCAAATTGGTGGAACTCTTACTGAATAGTGGATCTCGTGAACAAGATGTACGAAAAGCGTT
GACGATAAGCATTGGGAAAGGTGACAGCCAGATCATCAGCTTGCTCTTAAGGAGGCTGGCCCT
GGATGTGGCCAACAATAGCATTTCCTTGGAGGATTTTGTATAGGAAAAGTTGAACCTTCTTGGC
TTGGTCTTTATTTCCAGATAAGACTTCTAATTTAAGGAAACAAACAAATATAGCATCTACACTAG
CAAGAATGGTGTGATCAGATATCAGATGAAAAGTGCTGTGGAAGAAGGAACAGCCTCAGGCAGCG
ATGGAAATTTTTCTGAAGATGTGCTGTCTAAATTTGATGAATGGACCTTTATCCTGACTCTTCTA
TGGACAGTGTGTTTGTCAAAGTGATGACCTGGATAGTGAAGGAAGTGAAGGCTCATTCTTGT
GAAAAGAAATCTAATTCATTAAGTGTAGGAGAATTTTACCGAGATGCCGTATTACAGCGTTGCT
CACCAAATTTGCAAAGACATTCCAATTCCTTGGGGCCCATTTTTGATCATGAAGATTTACTGAAG
CGAAAAGAAAAATACTATCTTCAGATGATTCACTCAGGTCATCAAACTTCAATCCCATATGAG
GCATTCAGACAGCATTCTTCTCTGGCTTCTGAGAGAGAATATATTACATCACTAGACCTTTCAG
CAAATGAACTAAGAGATATTGATGCCCTAAGCCAGAAATGCTGTATAAGTGTTCATTTGGAGCAT
CTTGAAAAGCTGGAGCTTCACCAGAATGCACTCACGAGCTTCCACAACAGCTATGTGAAACTC
TGAAGAGTTTGACACATTTGGACTTGCACAGTAATAAATTTACATCATTTCCTTCTTATTTGTTGA
AAATGAGTTGTATTGCTAATCTTGATGTCTCTCGAAATGACATTGGACCCTCAGTGGTTTTAGATC
CTACAGTGAAATGTCCAACCTCTGAAACAGTTAACCTGTCATATAACCAGCTGTCTTTTGTACCT
GAGAACCTCACTGATGTGGTAGAGAACTGGAGCAGCTCATTTTAGAAGGAATAAAATATCAG
GGATATGCTCCCCCTTGAGACTGAAGGAACTGAAGATTTTAAACCTTAGTAAGAACCACATTTCA
TCCCTATCAGAGAACTTTCTTGAGGCTTGTCTAAAGTGGAGAGTTTCAGTGCCAGAATGAATTT
TCTTGCTGCTATGCCTTTCTTGCCTCCTTCTATGACAATCCTAAAATTATCTCAGAACAAATTTCC
TGTATTCCAGAAGCAATTTTAAATCTTCCACACTTGCAGTCTTTAGATATGAGCAGCAATGATATT
CAGTACCTACCAGGTCCCGCACACTGGAAATCTTTGAACTTAAAGGGAAGCTTATTTAGCCATAA
TCAGATCAGCATCTTGGACTTGAGTGAAAAGCATATTTATGGTCTAGAGTAGAGAACTGCATC
TTTCTCACAATAAACTGAAAGAGATTCTCCTGAGATTGGCTGTCTTGAAAATCTGACATCTCTG
GATGTCAGTTACAACCTTGGAACTAAGATCCTTTCCAATGAAATGGGGAAATTAAGCAAAATATG
GGATCTTCTTTGGATGAACTGCATCTTAACTTTGATTTTAAACATATAGGATGTAAAGCCAAG
ACATCATAAGGTTTCTTCAACAGCGATTAAAAAAGGCTGTGCCTTATAACCGAATGAACTTATG
ATTGTGGGAAATACTGGGAGTGGTAAAACCACCTTATTGCAGCAATTAATGAAAACCAAGAAAT
CAGATCTTGAATGCAAAGTGCCACAGTTGGCATAGATGTGAAAGACTGGCCTATCCAAATAAG
AGACAAAAGAAAGAGAGATCTCGTCTAAATGTGTGGGATTTTGCAGGTCGTGAGGAATTCTAT
AGTACTCATCCCCATTTTATGACGCAGCGAGCATTGTACCTTGCTGTCTATGACCTCAGCAAGGG
ACAGGCTGAAGTTGATGCCATGAAGCCTTGGCTTCTCAATATAAAGGCTCGCGCTTCTTCTTCCC
CTGTGATTCTCGTTGGCACACATTTGGATGTTTCTGATGAGAAGCAACGCAAAGCCTGCATGAGT
AAAATCACCAAGGAACTCCTGAATAAGCGAGGGTTCCCTGCCATACGAGATTACCACTTTGTGA
ATGCCACCGAGGAATCTGATGCTTTGGCAAACTTCGGAAAACCATCATAAACGAGAGCCTTAA
TTTCAAGATCCGAGATCAGCTTGTGTTGGACAGCTGATTCCAGACTGCTATGTAGAAGTTGAAA
AAATCATTTTATCGGAGCGTAAAAATGTGCCAATTGAATTTCCCGTAATTGACCGGAAACGATTA
TTACAACCTAGTGAGAGAAAATCAGCTGCAGTTAGATGAAAATGAGCTTCTCACGCAGTTCACTT
TCTAAATGAATCAGGAGTCTTCTTCAATTTCAAGACCCAGCACTGCAGTTAAGTACTTGTACTT
TGTGGAACCCAAGTGGCTTTGTAAAATCATGGCACAGATTTTGCAGTGAAAGTGGAAAGTTGT
CCAAAACACCCTAAGGGCATTATTTTCGCGTAGAGATGTGGAAAAATTTCTTTCAAAAAAAGGA
AATTTCAAAGAACTACATGACACAGTATTTTAAAGCTCCTAGAAAATTCAGATTGCTTTGCCA
ATAGGAGAAGAATATTTGCTGGTTCCAAGCAGTTTGTCTGACCACAGGCCTGTGATAGAGCTTC
CCCATTGTGAGAAGTCTGAAATTATCATCCGACTATATGAAATGCCTTATTTTCCAATGGGATTTT
GGTCAAGATTAATCAATCGATTACTTGAGATTTACCTTACATGCTTTCAGGGAGAGAACGAGCA
CTTCGCCCAAACAGAATGTATTGGCGACAAGGCATTTACTTAAATTGGTCTCCTGAAGCTTATTG

TCTGGTAGGATCTGAAGTCTTAGACAATCATCCAGAGAGTTTCTTAAAAATTACAGTTCCTTCTTG
TAGAAAAGGCTGTATTCTTTTGGGCCAAGTTGTGGACCACATTGATTCTCTCATGGAAGAATGGT
TTCCTGGGTTGCTGGAGATTGATATTTGTGGTGAAGGAGAACTCTGTTGAAGAAATGGGCATTA
TATAGTTTTAATGATGGTGAAGAACATCAAAAAATCTTACTTGATGACTTGATGAAGAAAGCAGA
GGAAGGAGATCTCTTAGTAAATCCAGATCAACCAAGGCTCACCATTCCAATATCTCAGATTGCC
CCTGACTTGATTTTGGCTGACCTGCCTAGAAATATTATGTTGAATAATGATGAGTTGGAATTTGAA
CAAGCTCCAGAGTTTCTCCTAGGTGATGGCAGTTTTGGATCAGTTTACCGAGCAGCCTATGAAG
GAGAAGAAGTGGCTGTGAAGATTTTTAATAAACATACATCACTCAGGCTGTTAAGACAAGAGCT
TGTGGTGCTTTGCCACCTCCACCACCCAGTTTGATATCTTTGCTGGCAGCTGGGATTCTGCCCC
GGATGTTGGTGTGAGTTAGCCTCCAAGGGTTCTTGGATCGCCTGCTTCAGCAGGACAAAGC
CAGCCTCACTAGAACCCTACAGCACAGGATTGCACTCCACGTAGCTGATGGTTTGAGATACCTC
CACTCAGCCATGATTATATACCGAGACCTGAAACCCACAATGTGCTGCTTTTCACACTGTATCC
CAATGCTGCCATCATTGCAAAGATTGCTGACTACGGCATTGCTCAGTACTGCTGTAGAATGGGG
ATAAAAACATCAGAGGGCACACCAGGGTTTCGTGCACCTGAAGTTGCCAGAGGAAATGTCATTT
ATAACCAACAGGCTGATGTTTATTCATTTGGTTTACTACTCTATGACATTTTGACAACCTGGAGGTA
GAATAGTAGAGGGTTTGAAGTTTCAAATGAGTTTGATGAATTAGAAATACAAGGAAAATTACCT
GATCCAGTTAAAGAATATGTTTGTGCCCCATGGCCTATGTTTGAGAAATTAATTAACAGTGTTT
GAAAGAAAATCCTCAAGAAAGGCCTACTTCTGCCAGGTCTTTGACATTTTGAATTCAGCTGAAT
TAGTCTGTCTGACGAGACGCATTTTATTACCTAAAAACGTAATTGTTGAATGCATGGTTGCTACA
CATCACACAGCAGGAATGCAAGCATTGGCTGGGCTGTGGGCACACCGACAGAGGACAGCTC
TCATTTCTTGACTTAAATACTGAAGGATACACTTCTGAGGAAGTTGCTGATAGTAGAATATTGTG
CTTAGCCTTGGTGCATCTTCTGTTGAAAAGGAAAGCTGGATTGTGTCTGGGACACAGTCTGGTA
CTCTCCTGGTCATCAATACCGAAGATGGGAAAAGAGACATACCCTAGAAAAGATGACTGATTC
TGTCACTTGTGTTGATTGCAATTCCTTTTCCAAGCAAAGCAAACAAAAAATTTTCTTTTGGTTGG
AACCGCTGATGGCAAGTTAGCAATTTTGAAGATAAGACTGTTAAGCTTAAAGGAGCTGCTCCTT
TGAAGATACTAAATATAGGAAATGTCAGTACTCCATTGATGTGTTTGAGTGAATCCACAAATTCA
ACGGAAGAAATGTAATGTGGGGAGGATGTGGCACAAGATTTTCTCCTTTTCTAATGATTTTAC
CATTCAGAACTCATTGAGACAAGAACAAGCCAAGTCTTTTCTTATGCAGCTTTTCAAGTATTCCA
ACATCATAACAGTGGTGGTAGACTGCTCTCTATATTGCTAAGCAAATAGCCCTGTTGTGGAA
GTGTGGGATAAGAAAACCTGAAAACCTCTGTGGACTAATAGACTGCGTGCACCTTTTAAAGGGAGG
TAATGGTAAAAGAAAACAAGGAATCAAACACAAAATGTCTTATTCTGGGAGAGTGAAAACCTT
CTGCCTTCAGAAGAACTGCTCTTTGGATAGGAACTGGAGGAGGCCATTTTTACTCCTGGATC
TTTCAACTCGTCGACTTATACGTGTAATTTACAACCTTTTGTAAATTCGGTCAGAGTCATGATGACAG
CACAGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTGGGCTACAACCGGAAAATACTGAAGG
TACACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGTTTGGGACATCAATCTTCCACATGAA
GTGCAAAATTTAGAAAACACATTGAAGTGAGAAAAGAAATTAGCTGAAAAAATGAGACGAACAT
CTGTTGAGTAAGagagaaataggCGGCCGC

Amino Acid Sequence:

DYKDDDDKGSMSGSCQGCEEDEETLKKLIVRLNNVQEGKQIETLVQILEDLLVFTYSEHASKLFFQ
KNIHVPLLIVLDSYMRVASVQQVGSLLCKLIEVCPGTMQSLMGPQDVGNDEVLGVHQLILKMLTV
HNASVNLVIGLKTLDLLTSGKITLLILDEESDIFMLIFDAMHSFPANDEVQKLGCKALHVLFFERVSEE
QLTEFVENKDYMILLSALTNFKDEEEIVLHVLHCLHSLAIPCNNVEVLMMSGNVRCYNIVVEAMKAFPM
ERIQEVSCLLHRLTLGNFFNILVLNEVHEFVVKAVQQYPENAALQISALSCLALLTETIFLNQDLEEK
ENQENDEGEEDKLFWLEACYKALTWRKKNKHVQEAACWALNNLLMYQNSLHEKIGDEDGHFPAH
REVMLSMMLHSSSKEVFQASANALSTLLEQNVNFRKILLSKGIHLNVLELMQKHIHSPEVAESGCKM
LNHLFEFSNTSLDIMA AVVPKILTVMKRHETSLPVQLEALRAILHFIVPGMPESREDTEFHHLNLMVK
KQCFKNDIHKLVLAALNRFIGNPGIQKCGLVKVISSIVHFPDALEMLSLEGAMDSVLHTLQMYPPDDQEI
CLGLSLIGYLITKKNVFIGTGHLLAKILVSSLYRFKDVAEIQTKGFQILAILKLSASFSLLVHHSFDLVI
FHQMSSNIMEQKQDFLNLCKCFKAVMDDYLKNVMLERACDQNNSIMVECLLLGADANQAKE
GSSLICQVCEKESSPKLVELLNSGSREQDVRKALTISIGKGDSSIISLLLRRLALDVANNSICLGGFCI
GKVEPSWLGPLFPDKTSNLRKQTNIASTLARMVIRYQMKSAVEEGTASGSDGNFSEDVLSKFDEWTF
IPDSSMDSVFAQSDLDLSEGESEGSFLVKKKSNSISVGEFYRDAVLQRCSPNLQRHSNSLGPFDHEDL
LKRKRKILSSDLSLRSSKLQSHMRHSDSISSLASEREYITSLDLSANELRDIDALSQKCCISVHLEHLE

KLELHQNALTSFPQQLCETLKSLTHLDLHSNKFTSFPSYLLKMSCIANLDVSRNDIGPSVVLDPVTKC
PTLKQFNLSYNQLSFVPENLTDVVEKLEQLILEGNKISGICSPRLRKLKILNLSKNHISSENFLEAC
PKVESFSARMNFLAAMPFLPPSMTILKLSQNKFSCIPAILNPLHLRSLDMSSNDIQYLPGPAHWKSL
NLRELLFSHNQISILDSEKAYLWSRVEKHLHSHNKLKEIPPEIGCLENLTSLDVSYNLELRSPNEMG
KLSKIWDLPLDELHLNFDKFKHIGCKAKDIIRFLQQRLKKAVPYNRMKLMIVGNTGSGKTTLLQQLMKT
KKSDLGMQSATVGDVVDWPIQIRDKRKRDLVLNVWDFAGREEFYSTHPHFMTRALYLAVYDLSK
GQAEVDAMKPWLFNIKARASSSPVILVGTHLDVSDEKQRKACMSKITKELLNKRGFPAIRDYHFVNA
TEESDALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFPVIDRKRLQLVRENQ
LQLDENELPHAVHFLNESGVLLHFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRR
DVEKFLSKKRKFPKNYMTQYFKLLEKFQIALPIGEEYLLVPSSLSDRPVIELPHCENSEIIIRLYEMPYF
PMGFWSRLINRLLLEISPYMLSGRERLRPNRMYWRQGIYLNWSPEAYCLVGSEVLDNHPESFLKITV
PSCRKGCILLGQVVDHIDSLMEEWFPGLLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMKKA
EGDLLVNPDPRLTIPISQIAPDLILADLPRNIMLNDELEFEQAPEFLLGDGSFGSVYRAAYEGEEVA
VKIFNKHTSLRLLRQELVVLCHLHPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLTRLQH
RIALHVADGLRYLHSAMIYRDLKPHNVLLFTLYPNAIIAKIADYGIAQYCCRMGIKTSEGTGPFRAPE
VARGNVIYNQQADVYSFGLLLYDILTTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPMVEKLI
KQCLKENPQERPTSAQVFDILNSAELVCLTRRILLPKNVIVECMVATHHNSRNASIWLGCGHTDRGQL
SFLDLNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDGKKRHTLEKMTDSVTCL
YCNSFSKQSKQKNFLLVGTADGKLAIFEDKTVKLGAAPLKILNIGNVSTPLMCLSESTNSTERNVMW
GGCGTKIFSFSNDFTIQKLIETRSTQLFSYAAFSDSNITVVVDTALYIAKQNSPVVEVWDKTEKLCGLI
DCVHFLREVMVKENKESKHKMSYSGRVKTLCQKNTALWIGTGGGHILLDLSTRRLIRVIYNFCNSV
RVMMTAQLGSLKNVMLVLGYNRKNTEGTQKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKM
RTSVE*ERNRRP

Antibiotic:

Amp

Comments:

Grow at 30c as prone to recombination Contains SNP S1647T

Price per aliquot:

£110.00