



LRRK2

Expressed:

GFP-LRRK2 1326-end

Plasmid:

pCMV5D GFP LRRK2 1326-end

Parent Plasmid:

pCMV5D GFP

DU Number:

DU48066

Genbank:

NM_198578.3

Species:

Human

Synonyms:

AURA17, DARDARIN, PARK8, RIPK7, ROCO2

Sequence of Insert:

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GGATCCTTAAAAAAGGCTGTGCCTTATAACCGAATGAACTTATGATTGTGGGAAATACTGGGA
GTGGTAAAACCACCTTATTGCAGCAATTAATGAAAACCAAGAAATCAGATCTTGGAAATGCAAAG
TGCCACAGTTGGCATAGATGTGAAAGACTGGCCTATCCAATAAGAGACAAAAGAAAGAGAGA
TCTCGTCCTAAATGTGTGGGATTTTGCAGGTCGTGAGGAATTCTATAGTACTCATCCCCATTTTAT
GACGCAGCGAGCATTGTACCTTGCTGTCTATGACCTCAGCAAGGGACAGGCTGAAGTTGATGCC
ATGAAGCCTTGGCTCTTCAATATAAAGGCTCGCGCTTCTTCTCCCTGTGATTCTCGTTGGCAC
ACATTTGGATGTTTCTGATGAGAAGCAACGCAAAGCCTGCATGAGTAAAATCACCAAGGAAGTCT
CTGAATAAGCGAGGGTTCCCTGCCATACGAGATTACCACTTTGTGAATGCCACCGAGGAATCTG
ATGCTTTGGCAAACCTTCGGAAAACCATCATAAACGAGAGCCTTAATTTCAAGATCCGAGATCA
GCTTGTTGTTGGACAGCTGATTCCAGACTGCTATGTAGAACTTGAAAAATCATTTTATCGGAGC
GTAAAAATGTGCCAATTGAATTTCCCGTAATTGACCGGAAACGATTATTACAAGTGTGAGAGAA
AATCAGCTGCAGTTAGATGAAAATGAGCTTCTCACGCAGTTCACCTTCTAAATGAATCAGGAGT
CCTTCTTCATTTCAAGACCCAGCACTGCAGTTAAGTGACTTGTACTTTGTGGAACCCAAGTGGC
TTTGTAATAATCATGGCACAGATTTTGCAGTGAAAGTGGAAGGTTGTCCAAAACACCCTAAGGG
AATTATTTTCGCGTAGAGATGTGGAAAAATTTCTTTCAAAGAAAAGGAAATTTCCAAAGAACTACA
TGACACAGTATTTAAGCTCCTAGAAAAATTCAGATTGCTTTGCCAATAGGAGAAGAATATTTG
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AAATCCAGATCAACCAAGGCTCACCATTCCAATATCTCAGATTGCCCTGACTTGATTTTGGCTG
ACCTGCCTAGAAATATTATGTTGAATAATGATGAGTTGGAATTTGAACAAGCTCCAGAGTTTCTC
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AGATTTTAAATAAACATACACTCAGGCTGTTAAGACAAGAGCTTGTGGTGCTTTGCCACCTC
CACCACCCAGTTTGATATCTTTGCTGGCAGCTGGGATTCGTCCCCGGATGTTGGTGATGGAGTT
AGCCTCCAAGGGTTCCTTGGATCGCCTGCTTCAGCAGGACAAAGCCAGCCTCACTAGAACCCTA
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AGACACTGCTCTATATTGCTAAGCAAATAGCCCTGTTGTGGAAGTGTGGGATAAGAAAAC
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AGATACAATCTTGCTTGACCGTTTGGGACATCAATCTTCCACATGAAGTGCAAAATTTAGAAAA
CACATTGAAGTGAGAAAAGAATTAGCTGAAAAAATGAGACGAACATCTGTTGAGTAAGAGAGAA
ATAGGCGGCCCG

Amino Acid Sequence:

MHVSKEELFTGVVPIVVELDGDVNGHKFSVSGEGDATYGKLTCLKFIC
TTGKLPVPWPTLVTTLTYGVCFSRYPDHMKQHDFFKSAMPEGYVQERTI
FFKDDGNYKTRAEVKFEGLTLVNRILKGIDFKEDGNILGHKLEYNYNH
NVYIMADKQKNGIKVNFKIRHNIEDGSVQLADHYQQNTPIGDGPVLLPDN
HYLSTQSALS KDPNEKRDMVLLFVTAAGITLGMDELYKGSLLKAVPYN
RMKLMIVGNTGSGKTTLLQLMKTKKSDLGMQSATVGDVVDWPIQIRDK
RKRDLVLNVWDFAGREEFYSTHPPHMTQRALYLAVYDLSKGGQAEVDAMKP
WLFNIKARASSSPVILVGHLDVSDKQRKACMSKITKELLNKRGFPAIR
DYHFVNATEESDALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKI
ILSERKNVPIEFVIDRKRLLQLVRENQLQDENELPHAVHFLNESGVLL
HFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRRDVEK
FLSKKRKFPKNYMTQYFKLLEKFQIALPIGEEYLLVPSSLSDRHPVIELP
HCENSEIIRLYEMPYFPMGFWSRLINRLEISPYMLSGRERLRPNRMY
WRQGIYLNWSPEAYCLVGSEVLDNHPESFLKITVPSRKGCCILLGQVVDH
IDSLMEEWFPGLLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMMKK
AEEGDLLVNPDPRLTIPISQIAPDLILADLPRNIMLNDELEFEQAPEF
LLGDGSFGSVYRAAYEGEEVAVKIFNKHTSLRLLRQELVVLCHLHHPSLI
SLLAAGIRPRMLVMEASKGSLDRLLQQDKASLRTLQHRIALHVADGLR
YLHSAMIIYRDLKPHNVLLFTLYPNAIIAKIADYGIAQYCCRMGIKTSE

GTPGFRAPEVARGNVIYNQQADVYSFGLLLYDILTTGGRIVEGLKFPNEF
DELEIQGKLPDPVKEYGCAPWPMVEKLIKQCLKENPQERPTSAQVFDILN
SAELVCLTRRILLPKNVIVECMVATHHNSRNASIWLGC GHTDRGQLSFLD
LNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDGK
KRHTLEKMTDSVTCLYCNSFSKQSKQKNFLLVGTADGKLAIFEDKTVKLK
GAAPLKILNIGNVSTPLMCLSESTNSTERNVMWGGCGTKIFSFSNDFTIQ
KLIETRSQLFSYAAFSDSNIITVVVDTALYIAKQNSPVVEVWDKKTEKL
CGLIDCVHFLREVMVKENKESKHKMSYSGRVKTLCLQKNTALWIGTGGGH
ILLDLSTRRLIRVIYNFCNSVRVMMTAQLGSLKNVMLVLGYNRKNTEGT
QKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKMRRTSVE*

Antibiotic:

Amp

Comments:

1326-end. Two silent nucleotide changes as compared to the reference sequence; C>A 4872bp and A>G 4911bp. All LRRK2 plasmids MUST be grown at 30°C or less to prevent recombination Contains SNP S1647T

Price per aliquot:

£110.00