LRRK2

Expressed:
GFP-LRRK2 1326-end A2016T

Plasmid:
pCMV5D GFP LRRK2 1326-end A2016T

Parent Plasmid:
pCMV5D GFP

DU Number:
DU48208

Genbank:
NM_198578.3

Species:
Human

Synonyms:
AURA17, **DARDARIN**, **PARK8**, **RIPK7**, **ROCO2**

Sequence of Insert:
GGATCCTTAAAAAAGGCTGTGCCTTATAACCGAATGAAACTTATGATTGTGGGAAATACTGGGA
GTGGTAAAACCACCTTATTGCAGCAATTAATGAAAACCAAGAAATCAGATCTTGGAATGCAAAG
TGCCACAGTTGGCATAGATGTGAAAGACTGGCCTATCCAAATAAGAGACAAAAGAAAGAGAGA
TCTCGTCCTAAATGTGTGGGATTTTGCAGGTCGTGAGGAATTCTATAGTACTCATCCCCATTTTAT
GACGCAGCGAGCATTGTACCTTGCTGTCTATGACCTCAGCAAGGGACAGGCTGAAGTTGATGCC
ATGAAGCCTTGGCTCTTCAATATAAAGGCTCGCGCTTCTTCTTCCCCTGTGATTCTCGTTGGCAC
ACATTTGGATGTTTCTGATGAGAAGCAACGCAAAGCCTGCATGAGTAAAATCACCAAGGAACTC
CTGAATAAGCGAGGGTTCCCTGCCATACGAGATTACCACTTTGTGAATGCCACCGAGGAATCTG
ATGCTTTGGCAAAACTTCGGAAAACCATCATAAACGAGAGCCTTAATTTCAAGATCCGAGATCA
GCTTGTTGTTGGACAGCTGATTCCAGACTGCTATGTAGAACTTGAAAAAATCATTTTATCGGAGC
GTAAAAATGTGCCAATTGAATTTCCCGTAATTGACCGGAAACGATTATTACAACTAGTGAGAGAA
AATCAGCTGCAGTTAGATGAAAATGAGCTTCCTCACGCAGTTCACTTTCTAAATGAATCAGGAGT
CCTTCTTCATTTTCAAGACCCAGCACTGCAGTTAAGTGACTTGTACTTTGTGGAACCCAAGTGGC
TTTGTAAAATCATGGCACAGATTTTGACAGTGAAAGTGGAAGGTTGTCCAAAACACCCTAAGGG
AATTATTTCGCGTAGAGATGTGGAAAAATTTCTTTCAAAGAAAAGGAAATTTCCAAAGAACTACA
TGACACAGTATTTTAAGCTCCTAGAAAAATTCCAGATTGCTTTGCCAATAGGAGAAGAATATTTG
CTGGTTCCAAGCAGTTTGTCTGACCACAGGCCTGTGATAGAGCTTCCCCATTGTGAGAACTCTGA
AATTATCATCCGACTATATGAAATGCCTTATTTTCCAATGGGATTTTGGTCAAGATTAATCAATCG
ATTACTTGAGATTTCACCTTACATGCTTTCAGGGAGAGAACGAGCACTTCGCCCAAACAGAATGT
ATTGGCGACAAGGCATTTACTTAAATTGGTCTCCTGAAGCTTATTGTCTGGTAGGATCTGAAGTC
TTAGACAATCATCCAGAGAGTTTCTTAAAAATTACAGTTCCTTCTTGTAGAAAAGGCTGTATTCTT
TTGGGCCAAGTTGTGGACCACATTGATTCTCTCATGGAAGAATGGTTTCCTGGGTTGCTGGAGAT
TGATATTTGTGGTGAAGGAGAAACTCTGTTGAAGAAATGGGCATTATATAGTTTTAATGATGGTG
AAGAACATCAAAAAATCTTACTTGATGACTTGATGAAGAAAGCAGAGGAAGGAGATCTCTTAGT

AAATCCAGATCAACCAAGGCTCACCATTCCAATATCTCAGATTGCCCCTGACTTGATTTTGGCTG
ACCTGCCTAGAAATATTATGTTGAATAATGATGAGTTGGAATTTGAACAAGCTCCAGAGTTTCTC
CTAGGTGATGGCAGTTTTGGATCAGTTTACCGAGCAGCCTATGAAGGAGAAGAAGTGGCTGTGA
AGATTTTTAATAAACATACATCACTCAGGCTGTTAAGACAAGAGCTTGTGGTGCTTTGCCACCTC
CACCACCCCAGTTTGATATCTTTGCTGGCAGCTGGGATTCGTCCCCGGATGTTGGTGATGGAGTT
AGCCTCCAAGGGTTCCTTGGATCGCCTGCTTCAGCAGGACAAAGCCAGCCTCACTAGAACCCTA
CAGCACAGGATTGCACTCCACGTAGCTGATGGTTTGAGATACCTCCACTCAGCCATGATTATATA
CCGAGACCTGAAACCCCACAATGTGCTGCTTTTCACACTGTATCCCAATGCTGCCATCATTGCAA
AGATTACTGACTACGGCATTGCTCAGTACTGCTGTAGAATGGGGATAAAAACATCAGAGGGCAC
ACCAGGGTTTCGTGCACCTGAAGTTGCCAGAGGAAATGTCATTTATAACCAACAGGCTGATGTTT
ATTCATTTGGTTTACTACTCTATGACATTTTGACAACTGGAGGTAGAATAGTAGAGGGTTTGAAG
TTTCCAAATGAGTTTGATGAATTAGAAATACAAGGAAAATTACCTGATCCAGTTAAAGAATATGG
TTGTGCCCCATGGCCTATGGTTGAGAAATTAATTAAACAGTGTTTGAAAGAAAATCCTCAAGAAA
GGCCTACTTCTGCCCAGGTCTTTGACATTTTGAATTCAGCTGAATTAGTCTGTCTGACGAGACGC
ATTTTATTACCTAAAAACGTAATTGTTGAATGCATGGTTGCTACACATCACAACAGCAGGAATGC
AAGCATTTGGCTGGGCTGTGGGCACACCGACAGAGGACAGCTCTCATTTCTTGACTTAAATACT
GAAGGATACACTTCTGAGGAAGTTGCTGATAGTAGAATATTGTGCTTAGCCTTGGTGCATCTTCC
TGTTGAAAAGGAAAGCTGGATTGTGTCTGGGACACAGTCTGGTACTCTCCTGGTCATCAATACC
GAAGATGGGAAAAAGAGACATACCCTAGAAAAGATGACTGATTCTGTCACTTGTTTGTATTGCA
ATTCCTTTTCCAAGCAAAGCAAACAAAAAAATTTTCTTTTGGTTGGAACCGCTGATGGCAAGTTA
GCAATTTTTGAAGATAAGACTGTTAAGCTTAAAGGAGCTGCTCCTTTGAAGATACTAAATATAGG
AAATGTCAGTACTCCATTGATGTGTTTGAGTGAATCCACAAATTCAACGGAAAGAAATGTAATGT
GGGGAGGATGTGGCACAAAGATTTTCTCCTTTTCTAATGATTTCACCATTCAGAAACTCATTGAG
ACAAGAACAAGCCAACTGTTTTCTTATGCAGCTTTCAGTGATTCCAACATCATAACAGTGGTGGT
AGACACTGCTCTCTATATTGCTAAGCAAAATAGCCCTGTTGTGGAAGTGTGGGATAAGAAAACT
GAAAAACTCTGTGGACTAATAGACTGCGTGCACTTTTTAAGGGAGGTAATGGTAAAAGAAAACA
AGGAATCAAAACACAAAATGTCTTATTCTGGGAGAGTGAAAACCCTCTGCCTTCAGAAGAACAC
TGCTCTTTGGATAGGAACTGGAGGAGGCCATATTTTACTCCTGGATCTTTCAACTCGTCGACTTA
TACGTGTAATTTACAACTTTTGTAATTCGGTCAGAGTCATGATGACAGCACAGCTAGGAAGCCTT
AAAAATGTCATGCTGGTATTGGGCTACAACCGGAAAAATACTGAAGGTACACAAAAGCAGAAAG
AGATACAATCTTGCTTGACCGTTTGGGACATCAATCTTCCACATGAAGTGCAAAATTTAGAAAAA
CACATTGAAGTGAGAAAAGAATTAGCTGAAAAAATGAGACGAACATCTGTTGAGTAAGAGAGAA
ATAGGCGGCCGC

Amino Acid Sequence:

MVSKGEELFTGVVPILVELDGDVNGHKFSVSGEGEGDATYGKLTLKFICT
TGKLPVPWPTLVTTLTYGVQCFSRYPDHMKQHDFFKSAMPEGYVQERTIF
FKDDGNYKTRAEVKFEGDTLVNRIELKGIDFKEDGNILGHKLEYNYNSHN
VYIMADKQKNGIKVNFKIRHNIEDGSVQLADHYQQNTPIGDGPVLLPDNH
YLSTQSALSKDPNEKRDHMVLLEFVTAAGITLGMDELYKSGLGSLKKAVP
YNRMKLMIVGNTGSGKTTLLQQLMKTKKSDLGMQSATVGIDVKDWPIQIR
DKRKRDLVLNVWDFAGREEFYSTHPHFMTQRALYLAVYDLSKGQAEVDAM
KPWLFNIKARASSSPVILVGTHLDVSDEKQRKACMSKITKELLNKRGFPA
IRDYHFVNATEESDALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELE
KIILSERKNVPIEFPVIDRKRLLQLVRENQLQLDENELPHAVHFLNESGV
LLHFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRRDV
EKFLSKKRKFPKNYMTQYFKLLEKFQIALPIGEEYLLVPSSLSDHRPVIE
LPHCENSEIIIRLYEMPYFPMGFWSRLINRLLEISPYMLSGRERALRPNR
MYWRQGIYLNWSPEAYCLVGSEVLDNHPESFLKITVPSCRKGCILLGQVV
DHIDSLMEEWFPGLLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLM
KKAEEGDLLVNPDQPRLTIPISQIAPDLILADLPRNIMLNNDELEFEQAP
EFLLGDGSFGSVYRAAYEGEEVAVKIFNKHTSLRLLRQELVVLCHLHHPS
LISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLTRTLQHRIALHVADG
LRYLHSAMIIYRDLKPHNVLLFTLYPNAAIIAKITDYGIAQYCCRMGIKT

SEGTPGFRAPEVARGNVIYNQQADVYSFGLLLYDILTTGGRIVEGLKFPN
EFDELEIQGKLPDPVKEYGCAPWPMVEKLIKQCLKENPQERPTSAQVFDI
LNSAELVCLTRRILLPKNVIVECMVATHHNSRNASIWLGCGHTDRGQLSF
LDLNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTED
GKKRHTLEKMTDSVTCLYCNSFSKQSKQKNFLLVGTADGKLAIFEDKTVK
LKGAAPLKILNIGNVSTPLMCLSESTNSTERNVMWGGCGTKIFSFSNDFT
IQKLIETRTSQLFSYAAFSDSNIITVVVDTALYIAKQNSPVVEVWDKKTE
KLCGLIDCVHFLREVMVKENKESKHKMSYSGRVKTLCLQKNTALWIGTGG
GHILLLDLSTRRLIRVIYNFCNSVRVMMTAQLGSLKNVMLVLGYNRKNTE
GTQKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKMRRTSVE*ERN RRP

Antibiotic:
Amp

Comments:
1326-end, A2016T. Also contains two silent nucleotide changes as compared to the reference sequence; C>A 4872 bp and A>G 4911 bp. All LRRK2 plasmids MUST be grown at 30°C or less to prevent recombination Contains SNP S1647T

Price per aliquot:
£110.00