



LRRK2

Expressed:

FLAG-LRRK2 Y1699C D2017A

Plasmid:

pCMV5 FLAG LRRK2 Y1699C D2017A

Parent Plasmid:

pCMV5 FLAG

DU Number:

DU52703

Genbank:

NM_198578.3

Species:

Human

Synonyms:

AURA17, DARDARIN, PARK8, RIPK7, ROCO2

Sequence of Insert:

**GGATCCATGGCTAGTGGCAGCTGTCAGGGGTGCGAAGAGGACGAGGAAACTCTGAAGAAGTTG
ATAGTCAGGCTGAACAATGTCCAGGAAGGAAAACAGATAGAAACGCTGGTCCAAATCCTGGAG
GATCTGCTGGTGTTCACGTA CTCCGAGCACGCCTCCAAGTTATTTCAAGGCAAAAATATCCATGT
GCCTCTGTTGATCGTCTTGGACTCCTATATGAGAGTCGCGAGTGTGCAGCAGGTGGGTTGGTCA
CTTCTGTGCAAATTAATAGAAGTCTGTCCAGGTACAATGCAAAGCTTAATGGGACCCCAAGGATG
TTGGAAATGATTGGGAAGTCCTTGGTGTTCACCAATTGATTCTTAAAATGCTAACAGTTCATAAT
GCCAGTGTA AACTTGT CAGTGATTGGACTGAAGACCTTAGATCTCCTCCTAACTTCAGGTAAAT
CACCTTGCTGATATTGGATGAAGAAAGTGATATTTTCATGTTAATTTTTGATGCCATGCACTCATT
TCCAGCCAATGATGAAGTCCAGAACTTGGATGCAAAGCTTTACATGTGCTGTTTGAGAGAGTCT
CAGAGGAGCAACTGACTGAATTTGTTGAGAACAAGATTATATGATATTGTTAAGTGCGTTAACA
AATTTTAAAGATGAAGAGGAAATTGTGCTTCATGTGCTGCATTGTTTACATTCCCTAGCGATTCT
TGCAATAATGTGGAAGTCCTCATGAGTGGCAATGTCAGGTGTTATAATATTGTGGTGGAAAGCTAT
GAAAGCATTCCCTATGAGTGAAAGAATTCAAGAAGTGAGTTGCTGTTTGCTCCATAGGCTTACAT
TAGGTAATTTTTCAATATCCTGGTATTAACGAAGTCCATGAGTTTGTGGTGAAGCTGTGCAG
CAGTACCCAGAGAATGCAGCATTGCAGATCTCAGCGCTCAGCTGTTTGGCCCTCCTCACTGAGA
CTATTTTCTTAAATCAAGATTTAGAGGAAAAGAATGAGAATCAAGAGAATGATGATGAGGGGGA
AGAAGATAAATTGTTTTGGCTGGAAGCCTGTTACAAAGCATTAACTGATGAGGAAAGCAAG
CACGTGCAGGAGGCCGCATGCTGGGCACTAAATAATCTCCTTATGTACCAAACAGTTTACATG
AGAAGATTGGAGATGAAGATGGCCATTTCCAGCTCATAGGGAAGTGATGCTCTCCATGCTGAT
GCATTCTTCATCAAAGGAAGTTTTCCAGGCATCTGCGAATGCATTGTCAACTCTCTTAGAACAAA
ATGTTAATTTCAGAAAAATACTGTTATCAAAGGAATACACCTGAATGTTTTGGAGTTAATGCAG
AAGCATATACATTCTCCTGAAGTGGCTGAAAGTGGCTGTAAAATGCTAAATCATCTTTTTGAAGG
AAGCAACACTTCCCTGGATATAATGGCAGCAGTGGTCCCCAAAATACTAACAGTTATGAAACGT
CATGAGACATCATTACCAGTGCAGCTGGAGGCGCTTCGAGCTATTTTACATTTTATAGTGCCTGG**

CATGCCAGAAGAATCCAGGGAGGATACAGAATTTTCATCATAAGCTAAATATGGTTAAAAACAG
TGTTTCAAGAATGATATTCACAACTGGTCTTAGCAGCTTTGAACAGGTTTCATTGGAAATCCTGG
GATTCAGAAATGTGGATTAAGTAATTTCTTCTATTGTACATTTTCTGATGCATTAGAGATGTT
ATCCCTGGAAGGTGCTATGGATTCAGTGCTTCACACTGCAGATGTATCCAGATGACCAAGAA
ATTCAGTGTCTGGGTTAAGTCTTATAGGATACTTGATTACAAAGAAGAATGTGTTTCATAGGAAC
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AGACTAAAGGATTTTCAGACAATCTTAGCAATCCTCAAATTGTCAGCATCTTTTTCTAAGCTGCTG
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CCCATTGTGAGAACTCTGAAATTATCATCCGACTATATGAAATGCCTTGTTTTCCAATGGGATTTT
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CCTGAAGTTGCCAGAGGAAATGTCATTTATAACCAACAGGCTGATGTTTATTCAATTTGGTTACTA
CTCTATGACATTTTGAACAAGGAGGTAGAATAGTAGAGGGTTTGAAGTTTCAAATGAGTTTGA
TGAATTAGAAATACAAGGAAAATTACCTGATCCAGTTAAAGAATATGGTTGTGCCCCATGGCCTA
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AGACTGCGTGCACTTTTTAAGGGAGGTAATGGTAAAAGAAAACAAGGAATCAAAACACAAAATG
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TAATTCGGTCAGAGTCATGATGACAGCACAGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTG
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GTTTGGGACATCAATCTTCCACATGAAGTGCAAAATTTAGAAAAACACATTGAAGTGAGAAAAG
AATTAGCTGAAAAAATGAGACGAACATCTGTTGAGTAAGAGAGAAATAGGCGGCCGC

Amino Acid Sequence:

MDYKDDDDKSGMASGSCQGCEEDEETLKKLIVRLNNVQEGKQIETLVQILEDLLVFTYSEHASKLFG
GKNIHVPLLVLD SYMRVASVQVQVWSLLCKLI EVCPGTMQSLMGPQDVGNDWEVLGVHQLILKML
TVHNASVNL SVIGLKTLDLLTSGKITLLILDEESDIFMLIFDAMHSFPANDEVQKLGCKALHVLFE RVS
EEQLTEFVENKDYMILLSALTNFKDEEEIVLHVLHCLHSLAIPCNNVEVLMSGNVRCYNIVVEAMKAFP
MSERIQEVSCLLHRLTLGNFFNILVLN EVHEFVVKAVQQYPENAALQISALSCLALLTETIFLNQDLE
EKNNQENDDEGEEDKLFWLEACYKALTWRKKNKHVQEAACWALNNLLMYQNSLHEKIG DEDGH
FPAHREVMLSMLMHSSSKEVFQASANALSTLLEQNVNFRKILLSKGIHLNVLELMQKHIHSPEVAESG
CKMLNHLFEGSNTSLDIMA AVVPKILT VMKRHETSLPVQLEALRAILHFIVPGMPEESREDTEFHKL
NMVKKQCFKNDIHKLVLAALNRFIGNPGIQKCGLKVISSIVHFPDALEMLSLEGAMDSV LHTLQMYPD
DQEIQLGLSLIGYLITKKNVFIGTGHLLAKILVSSLYRFKDVAEIQTGFQILAILKLSASFSKLLVHHS
FDLVIFHQMSSNIMEQKDQ QFLNLCCKCFKAVMDDYLKNVMLERACDQNN SIMVECLLLL GADAN
QAKEGSSLICQVCEKESPKLVELLLNSGSREQDVRKALTISIGKGSQIISL LLRRLALDVANNSICL
GGFCIGKVEPSWLGPLFPDKTSNLRKQTNIASTLARMVIRYQMKSAVEEGTASGSDGNFSEDLVSKF
DEWTFIPDSSMDSVFAQ SDDL DSEGSEGSFLVKKKSNSISVGEFYRDAVLQRCSPNLQRHSNSL GPI

FDHEDLLKRKRKILSSDDSLRSSKLQSHMRHSDSISSLASEREYITSLDL SANELRDIDALSQKCCISV
HLEHLEKLELHQNALTSFPQQLCETLKSLTHLDLHNSNKFTSFPSYLLKMSCIANLDVSRNDIGPSVVL
DPTVKCPTLKQFN LSYNQLSFVPENLTDVVEKLEQLILEGNKISGICSPRLKELKILNLSKNHISSLSE
NFLEACPKNVESFSARMNFLAAMPFLPPSMTILKLSQNKFSCIP EAILNPLHLRSLDMSSNDIQYLPGP
AHWKSLNRELLFSHNQISILDSEKAYLWSRVEKLHLSHNKLKEIPPEIGCLENLTSLDVSYNLELRS
FPNEMG KLSKIWDPLDELHLNFDKHHIGCKAKDIIRFLQQRLKKAVPYNNRMKLMIVGNTGSGKTTLL
QQLMKTKKSDLGMQSATVGDVVDWPIQIRDKRKRDLV LNVWDFAGREEFYSTHPHFMTRALYLA
VYDLSKGGQAEVDAMKPWLFNIKARASSSPVILVGTHLDVSEKQRKACMSKITKELLNKRGFPAIRD
YHFVN ATEESDALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFPVIDRKRLQ
LVRENQLQDENELPHAVHFLNESGVLLHFQDPA LQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHP
KGIISRRDVEKFLSKKRKFPKNYMTQYFKLLEKFQIALPIGEEYLLVPSSLSDHRPVIELPHCENSE IIIR
LYEMPCFPMGFWSRLINRLEISPYMLSGRERARPNRMYWRQGIYLNWSPEAYCLIDSLMEEWFPG
LLEIDICGEGETLLKKWALYSFNDGEEHQ KILLDDLMMKAEEGDLLVNPDPQRLTIPISQIAPDLILADL
PRNIMLNDELEFEQAPEFLLGDGSGSVYRAAYEGEEVAVKIFNKHTSLRLLRQELVV LCHLHPS
LISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLTRTLQHRIALHVADGLRYLHSAMIYRDLKPHNV
LLFTLYPNAIIAKIAAYGIAQY CCRMGIKTSEGTGPFRAPEVARGNVIYNQQADVYSFGLLLYDILTTG
GRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPMVEKLIKQCLKENPQERP TSAQVFDILNSAELV
CLTRRILLPKNVIVECMVATHHNSRNASIWLGCGHDRGQLSFLDLNTEGYTSEEVADSRILCLALVH
LPVEKESWIVSGTQSGT LLVINTEDGKKRHTLEKMTDSVTCLYCNSFSKQSKQKNFLLVGTADGKLA
IFEDKTVKLGGAAPLKILNIGNVSTPLMCLSESTNSTERNVMWGGCGTKI FFSNDFTIQKLIETRTSQ
LFSYAAFSDSNIITVVVDALYIAKQNSPVVEVWDKKTEKLCGLIDCVHFLREVMVKENKESKHKMSY
SGRVKTLCLQKNT ALWIGTGGGHILLDLSTRRLIRVIYNFCNSVRVMMTAQLGSLKNVMLVLGYNR
KNTEGTQKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKMRR TSVE*

Antibiotic:

Amp

Comments:

Y1699C D2017A. Contains silent nucleotide changes as compared to the reference; C>A 4872 and A>G 4911 bp. Contains SNP S1647T

Price per aliquot:

£110.00