



## LRRK2

Expressed:

**DAC-LRRK2 1326-end G2019/S**

Plasmid:

**pcDNA3.1-DAC-LRRK2 1326-end G2019/S**

Parent Plasmid:

**pcDNA3.1 DAC 3C**

DU Number:

**DU30218**

Genbank:

**AAI17181**

Species:

**Human**

Synonyms:

Sequence of Insert:

**GGATCCTTAAAAAAGGCTGTGCCTTATAACCGAATGAACTTATGATTGTGGGAAATACTGGGA  
GTGGTAAAACCACCTTATTGCAGCAATTAATGAAAACCAAGAAATCAGATCTTGGAAATGCAAAG  
TGCCACAGTTGGCATAGATGTGAAAGACTGGCCTATCCAATAAGAGACAAAAGAAAGAGAGA  
TCTCGTCCTAAATGTGTGGGATTTTGCAGGTCGTGAGGAATTCTATAGTACTCATCCCCATTTTAT  
GACGCAGCGAGCATTGTACCTTGCTGTCTATGACCTCAGCAAGGGACAGGCTGAAGTTGATGCC  
ATGAAGCCTTGGCTCTTCAATATAAAGGCTCGCGCTTCTTCTTCCCCTGTGATTCTCGTTGGCAC  
ACATTTGGATGTTTCTGATGAGAAGCAACGCAAAGCCTGCATGAGTAAAATCACCAAGGAAGTCT  
CTGAATAAGCGAGGGTTCCCTGCCATACGAGATTACCACTTTGTGAATGCCACCGAGGAATCTG  
ATGCTTTGGCAAACCTTCGGAAAACCATCATAAACGAGAGCCTTAATTTCAAGATCCGAGATCA  
GCTTGTTGTTGGACAGCTGATTCCAGACTGCTATGTAGAACTTGAAAAAATCATTTTATCGGAGC  
GTAAAAATGTGCCAATTGAATTTCCCGTAATTGACCGGAAACGATTATTACAAGTGTGAGAGAA  
AATCAGCTGCAGTTAGATGAAAATGAGCTTCTCACGCAGTTCACCTTCTAAATGAATCAGGAGT  
CCTTCTTCATTTTCAAGACCCAGCACTGCAGTTAAGTGACTTGTACTTTGTGGAACCCAAGTGGC  
TTTGTAATAATCATGGCACAGATTTTGCAGTGAAAGTGGAAGGTTGTCCAAAACACCCTAAGGG  
CATTATTTTCGCGTAGAGATGTGGAAAAATTTCTTTCAAAAAAAGGAAATTTCCAAAGAACTACA  
TGACACAGTATTTAAGCTCCTAGAAAAATTCCAGATTGCTTTGCCAATAGGAGAAGAATATTTG  
CTGGTTCCAAGCAGTTTGTCTGACCACAGGCCTGTGATAGAGCTTCCCCATTGTGAGAAGTCTGA  
AATTATCATCCGACTATATGAAATGCCTTATTTTCCAATGGGATTTTGGTCAAGATTAATCAATCG  
ATTACTTGAGATTTACCTTACATGCTTTTCAAGGAGAGAACGAGCACTTCGCCCAAACAGAATGT  
ATTGGCGACAAGGCATTTACTTAAATTGGTCTCCTGAAGCTTATTGTCTGGTAGGATCTGAAGTC  
TTAGACAATCATCCAGAGAGTTTCTTAAAAATTACAGTTCCTTCTTGTAGAAAAGGCTGTATTCTT  
TTGGGCCAAGTTGTGGACCACATTGATTCTCTCATGGAAGAATGGTTTCTGGGTTGCTGGAGAT  
TGATATTTGTGGTGAAGGAGAACTCTGTTGAAGAAATGGGCATTATATAGTTTTAATGATGGTG  
AAGAACATCAAAAAATCTTACTTGATGACTTGATGAAGAAAGCAGAGGAAGGAGATCTCTTAGT**

AAATCCAGATCAACCAAGGCTCACCATTCCAATATCTCAGATTGCCCTGACTTGATTTTGGCTG  
ACCTGCCTAGAAATATTATGTTGAATAATGATGAGTTGGAATTTGAACAAGCTCCAGAGTTTCTC  
CTAGGTGATGGCAGTTTTGGATCAGTTTACCGAGCAGCCTATGAAGGAGAAGAAGTGGCTGTGA  
AGATTTTAAATAAACATACACTCAGGCTGTTAAGACAAGAGCTTGTGGTGCTTTGCCACCTC  
CACCACCCAGTTTGATATCTTTGCTGGCAGCTGGGATTCGTCCCCGGATGTTGGTGATGGAGTT  
AGCCTCCAAGGGTTCCTTGATCGCCTGCTTCAGCAGGACAAAGCCAGCCTCACTAGAACCCTA  
CAGCACAGGATTGCACTCCACGTAGCTGATGGTTTGAAGATACCTCCACTCAGCCATGATTATATA  
CCGAGACCTGAAACCCCAATGTGCTGCTTTTCACTGTATCCAATGCTGCCATCATTGCAA  
AGATTGCTGACTACAGCATTGCTCAGTACTGCTGTAGAATGGGGATAAAAACATCAGAGGGCAC  
ACCAGGGTTTCGTGCACCTGAAGTTGCCAGAGGAAATGTCATTTATAACCAACAGGCTGATGTTT  
ATTCATTTGGTTTACTACTCTATGACATTTTGAACAAGTGGAGGTAGAATAGTAGAGGGTTTGAAG  
TTTCCAATGAGTTTGATGAATTAGAAATACAAGGAAAATTACCTGATCCAGTTAAAGAATATGG  
TTGTGCCCATGGCCTATGGTTGAGAAATTAATTAACAGTGTTTGAAAGAAAATCCTCAAGAAA  
GGCCTACTTCTGCCAGGTCTTTGACATTTTGAATTCAGCTGAATTAGTCTGTCTGACGAGACGC  
ATTTTATTACCTAAAACGTAATTGTTGAATGCATGGTTGCTACACATCACAAACAGCAGGAATGC  
AAGCATTGGCTGGGCTGTGGGCACACCCGACAGAGGACAGCTCTCATTCTTGACTTAAATACT  
GAAGGATACACTTCTGAGGAAGTTGCTGATAGTAGAATATTGTGCTTAGCCTTGGTGCATCTTCC  
TGTTGAAAAGGAAAGCTGGATTGTGTCTGGGACACAGTCTGGTACTCTCCTGGTCATCAATACC  
GAAGATGGGAAAAGAGACATACCCTAGAAAAGATGACTGATTCTGTCACTTGTGTTGATTGCA  
ATTCCTTTTCCAAGCAAAGCAAACAAAAAATTTTCTTTTGGTTGGAACCGCTGATGGCAAGTTA  
GCAATTTTGAAGATAAGACTGTTAAGCTTAAAGGAGCTGCTCCTTTGAAGATACTAAATATAGG  
AAATGTCAGTACTCCATTGATGTGTTTGAAGTGAATCCACAAATTCACGGAAAGAAATGTAATGT  
GGGGAGGATGTGGCACAAAGATTTTCTCCTTTTCTAATGATTTACCATTAGAAAACCTCATTGAG  
ACAAGAACAAGCCAACCTGTTTTCTTATGCAGCTTTCAGTGATTCCAACATCATAACAGTGGTGGT  
AGACACTGCTCTCTATATTGCTAAGCAAATAGCCCTGTTGTGGAAGTGTGGGATAAGAAAAC  
GAAAAACTCTGTGGACTAATAGACTGCGTGCACTTTTTAAGGGAGGTAATGGTAAAAGAAAACA  
AGGAATCAAACACAAAATGTCTTATTCTGGGAGAGTGAAAACCTCTGCCTTCAGAAGAACAC  
TGCTCTTTGGATAGGAACTGGAGGAGGCCATATTTTACTCCTGGATCTTCAACTCGTCGACTTA  
TACGTGTAATTTACAACCTTTGTAATTCGGTCAGAGTCATGATGACAGCACAGCTAGGAAGCCTT  
AAAAATGTCATGCTGGTATTGGGCTACAACCGGAAAAAATACTGAAGGTACACAAAAGCAGAAAG  
AGATACAATCTTGCTTGACCGTTTGGGACATCAATCTTCCACATGAAGTGCAAAATTTAGAAAA  
CACATTGAAGTGAGAAAAGAATTAGCTGAAAAAATGAGACGAACATCTGTTGAGTAAGCGGCCG  
C

Amino Acid Sequence:

MIPGVPQIDAESYILIDYNSGKVLAEQNADVRRDPASLTKMMTSYVIGQAMKAGKFKETDLVTIGNDA  
WATGNPVFKGSSLMFLKPGMQVPVSQLIRGINLQSGNDACVAMADFAAGSQDAFVGLMNSYVNAL  
GLKNTHFQTVHGLDADGQYSSARDMALIGQALIRDVPNEYSIYKEKEFTFNGIRQLNRNGLLWDNSL  
NVDGIKTGHTDKAGYNLVSATEGQMLISAVMGGRTFKGREAESKLLTWGFRFFETVNPLEVLFQ  
GPGSLKKAVPYNRMKLMIVGNTGSGKTTLLQQLMKTKKSDLGMQSATVGDVVDWPIQIRDKRKR  
LVLNVWDFAGREEFYSTHPHFMTRALYLAVYDLSKGQAEVDAMKPWLFNIKARASSPVLVGH  
DVSDEKQRKACMSKITKELNKRGFPAIRDYHFVNATEESDALAKLRKTIINESLNFKIRDQLVVG  
PDCYVELEKIILSERKNVPIEFVIDRKLLQLVRENQLQDENELPHAVHFLNESGVLLHFQDPAL  
SDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRRDVEKFLSKKRKFPKNYMTQYFKLLEKFQ  
IGEEYLLVPSSLSDHRPVIELPHCENSEIIRLYEMPYFPMGFWSRLINRLLLEISPYMLSGRER  
ALRPNRMYWRQGIYLNWSPEAYCLVGSEVLDNHPEFSLKITVPSCRKGCILLGQVVDHIDSLME  
EWFPGLEIDI CGEGETLLKKWALYSFNDGEEHQILLDDLMKKAEEGDLLVNPDPRLTIPISQI  
APDLILADLPRNIMLNDELEFEQAPEFLLGDGSFGSVYRAAYEGEEVAVKIFNKHTSLRLLRQEL  
VVLCHLHHPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLTRLQHRIALHVADGLR  
YLHSAMIIYRDLKPHNVLLFTLYPNAIIAKIADYSIAQYCCRMGIKTSEGTGPFRAPEVAR  
GNVIYNQQADVYSFGLLYDILTTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPM  
VEKLIKQCLKENPQERPTSAQVFDILNSAELVCLTRRILLPKNVIVECMVATHHNSRNASI  
WLGCGHTDRGQLSFLDLNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLV  
INTEDGKKRHTLEKMTDSVTCLYCNSFSKQSKQKNFLLVGTADGKLAIFEDKTVKLKG  
AAPLKILNIGNVSTPLMCLSESTNSTERNVMWGGCGTKIFSFSNDFTIQKLIETR  
TSQLFSYAA

FSDSNIITVVVDTALYIAKQNSPVVEVWDKKTEKLCGLIDCVHFLREVMVKENKESKHKMSYSGRVKT  
LCLQKNTALWIGTGGGHILLDLSTRRLIRVIYNFCNSVRVMMTAQLGSLKNVMLVLGYNRKNTEGTQ  
KQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKMRRTSVE\*

Antibiotic:

**Amp**

Comments:

**All LRRK2 plasmids MUST be grown at 30°C or less to prevent recombination Parental Plasmid  
DU30209 Contains SNP S1647T**

Price per aliquot:

**£110.00**