



LRRK2

Expressed:

FLAG-LRRK2 S1292A

Plasmid:

pCMV5 FLAG LRRK2 S1292A

Parent Plasmid:

pCMV5 FLAG1

DU Number:

DU44984

Genbank:

NM_198578.3

Species:

Human

Synonyms:

AURA17, DARDARIN, PARK8, RIPK7, ROCO2

Sequence of Insert:

**GGATCCATGGCTAGTGGCAGCTGTCAGGGGTGCGAAGAGGACGAGGAACTCTGAAGAAGTTG
ATAGTCAGGCTGAACAATGTCCAGGAAGGAAAACAGATAGAAACGCTGGTCCAAATCCTGGAG
GATCTGCTGGTGTTCACGTACTCCGAGCACGCCTCCAAGTTATTTCAAGGCAAAAATATCCATGT
GCCTCTGTTGATCGTCTTGGACTCCTATATGAGAGTCGCGAGTGTGCAGCAGGTGGGTTGGTCA
CTTCTGTGCAAATTAATAGAAGTCTGTCCAGGTACAATGCAAAGCTTAATGGGACCCCAAGGATG
TTGGAAATGATTGGGAAGTCCTTGGTGTTCACCAATTGATTCTTAAAATGCTAACAGTTCATAAT
GCCAGTGTAACCTTGTCAGTGATTGGACTGAAGACCTTAGATCTCCTCCTAACTTCAGGTAAAAT
CACCTTGCTGATATTGGATGAAGAAAGTGATATTTTCATGTTAATTTTTGATGCCATGCACTCATT
TCCAGCCAATGATGAAGTCCAGAACTTGGATGCAAAGCTTTACATGTGCTGTTTGAGAGAGTCT
CAGAGGAGCAACTGACTGAATTTGTTGAGAACAAGATTATATGATATTGTTAAGTGCCTTAACA
AATTTTAAAGATGAAGAGGAAATTGTGCTTCATGTGCTGCATTGTTTACATTCCCTAGCGATTCT
TGCAATAATGTGGAAGTCCTCATGAGTGGCAATGTCAGGTGTTATAATATTGTGGTGGAAAGCTAT
GAAAGCATTCCCTATGAGTGAAAGAATTCAAGAAGTGAGTTGCTGTTTGCTCCATAGGCTTACAT
TAGGTAATTTTTCAATATCCTGGTATTAACGAAGTCCATGAGTTTGTGGTGAAGCTGTGCAG
CAGTACCCAGAGAATGCAGCATTGCAGATCTCAGCGCTCAGCTGTTTGGCCCTCCTCACTGAGA
CTATTTTCTTAAATCAAGATTTAGAGGAAAAGAATGAGAATCAAGAGAATGATGATGAGGGGGA
AGAAGATAAATTGTTTTGGCTGGAAGCCTGTTACAAAGCATTAACTGATGAGGAAAGCAAG
CACGTGCAGGAGGCCGCATGCTGGGCACTAAATAATCTCCTTATGTACCAAACAGTTTACATG
AGAAGATTGGAGATGAAGATGGCCATTTCCAGCTCATAGGGAAGTGATGCTCTCCATGCTGAT
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ATGTTAATTTCAGAAAAATACTGTTATCAAAGGAATACACCTGAATGTTTTGGAGTTAATGCAG
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AAGCAACACTTCCCTGGATATAATGGCAGCAGTGGTCCCCAAAATACTAACAGTTATGAAACGT
CATGAGACATCATTACCAGTGCAGCTGGAGGCGCTTCGAGCTATTTTACATTTTATAGTGCCTGG**

CATGCCAGAAGAATCCAGGGAGGATACAGAATTTTCATCATAAGCTAAATATGGTTAAAAACAG
TGTTTCAAGAATGATATTCACAACTGGTCTTAGCAGCTTTGAACAGGTTTCATTGGAAATCCTGG
GATTCAGAAATGTGGATTAAGTAATTTCTTCTATTGTACATTTTCTGATGCATTAGAGATGTT
ATCCCTGGAAGGTGCTATGGATTCAGTGCTTCACACACTGCAGATGTATCCAGATGACCAAGAA
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ATAGGAGAAGAATATTTGCTGGTTCCAAGCAGTTTGTCTGACCACAGGCCTGTGATAGAGCTTC

CCCATTGTGAGAACTCTGAAATTATCATCCGACTATATGAAATGCCTTATTTCCAATGGGATTTT
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CCTGACTTGATTTTGGCTGACCTGCCTAGAAATATTATGTTGAATAATGATGAGTTGGAATTTGAA
CAAGCTCCAGAGTTTCTCCTAGGTGATGGCAGTTTTGGATCAGTTTACCGAGCAGCCTATGAAG
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CAGCCTCACTAGAACCCTACAGCACAGGATTGCACTCCACGTAGCTGATGGTTTGAGATACCTC
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ATAACCAACAGGCTGATGTTTATTCATTTGGTTTACTACTCTATGACATTTTGACAACCTGGAGGTA
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CTCTCCTGGTCATCAATACCGAAGATGGGAAAAGAGACATACCCTAGAAAAGATGACTGATTC
TGTCACTTGTGTTGATTGCAATTCCTTTTCCAAGCAAAGCAAACAATAAATTTCTTTTGGTTGG
AACCGCTGATGGCAAGTTAGCAATTTTGAAGATAAGACTGTTAAGCTTAAAGGAGCTGCTCCTT
TGAAGATACTAAATATAGGAAATGTCAGTACTCCATTGATGTGTTTGAGTGAATCCACAAATTCA
ACGGAAAGAAATGTAATGTGGGGAGGATGTGGCACAAAGATTTTCTCCTTTTCTAATGATTCAC
CATTCAGAACTCATTGAGACAAGAACAAGCCAAGTCTTTCTTATGCAGCTTTCAGTGATTCCA
ACATCATAACAGTGGTGGTAGACACTGCTCTCTATATTGCTAAGCAAATAGCCCTGTTGTGGAA
GTGTGGGATAAGAAAACCTGAAAACCTCTGTGGACTAATAGACTGCGTGCACTTTTTAAGGGAGG
TAATGGTAAAAGAAAACAAGGAATCAAAACACAAAATGTCTTATTCTGGGAGAGTGAAAACCT
CTGCCTTCAGAAGAACTGCTCTTTGGATAGGAACTGGAGGAGGCCATTTTTACTCCTGGATC
TTTCAACTCGTCGACTTATACGTGTAATTTACAACCTTTTGTAAATTCGGTCAGAGTCATGATGACAG
CACAGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTGGGCTACAACCGGAAAATACTGAAGG
TACACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGTTTGGGACATCAATCTTCCACATGAA
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CTGTTGAGTAAGAGAGAAATAGGCGGCCGC

Amino Acid Sequence:

MDYKDDDDKGSMSASGSCQGCCEEDEETLKKLIVRLNNVQEGKQIETLVQIL
EDLLVFTYSEHASKLFFQGNIVHPLLIVLDSYMRVASVQQVGVWSLLCKLI
EVCPTGMQSLMGPQDVGNDWEVLGVHQLILKMLTVHNASVNLVSVIGLKT
DLLLTSKITLLILDEESDIFMLIFDAMHSFPANDEVQKLGCKALHVLFE
RVSEEQLETFVENKDYMILLSALTNFKDEEEIVLHVLHCLHSLAIPCNNV
EVLMSGNVRCYNIVVEAMKAFPMSERIQEVSCLLHRLTLGNFFNILVLN
EVHEFVVKAVQQYPENAALQISALSCLALLTETIFLNQDLEEKNEQEND
DEGEEDKLFWLEACYKALTWHRKNKHVQEAACWALNNLLMYQNSLHEKIG
DEDGHFPAHREVMLSMLMHSSSKEVFQASANALSTLLEQNVNFRKILLSK
GIHLNVLELMQKHIHSPEVAESGCKMLNHLFEGSNTSLDIMA AVVPKILT
VMKRHETSLPVQLEALRAILHFIVPGMPEESREDETFHHKLNLMVKKQCFK
NDIHKLVLAALNRFIGNPGIQKCGLKVIVHFPDALEMLSLEGAMDSV

LHTLQMYPPDDQEIQCLGLSLIGYLITKKNVFIGTGHLLAKILVSSLYRFK
DVAEIQTkgfQTLAILKLSASFSKLLVHHSFDLVIFHQMSSNIMEQKDQ
QFLNLCKCKFAKVAMDDYLKNVMLERACDQNNSIMVECLLLL GADANQAK
EGSSLICQVCEKESSPKLVELLLNSGSREQDVRKALTISIGKGD SQIISL
LLRRALDVANNICLGGFCIGKVEPSWLGPLFPDKTSNLRKQTNIAS TL
ARMVIRYQMKSAVEEGTASGSDGNFSEDVLSKFDEWTFIPDSSMDSVFAQ
SDDL DSEGSEGSFLVKKKSNSISVGEFYRDAVLQRCSPNLQRHSNSL GPI
FDHEDLLKRKRKILSSDDSLRSSKLQSHMRHSDSISSLASEREYITSLDL
SANELRDIDALSQKCCISVHLEHLEKLELHQNALTSFPQQLCETL KSLTH
LDLHSNKFTSFP SYLLKM SCIANLDVSRNDIGPSVVL DPTVKCPTLKQFN
LSYNQLSFPENLTDVVEKLEQLILEGNKISGICSPRLKELKILNLSKN
HISSLENFLEACP KVESFSARMNFLAAMPFLPPSMTILKLSQNK FSCIP
EAILNPLHLRSLDMSSNDIQYLPGAHWKSLNLR ELLFSHNQISILDSE
KAYLWSRVEKLHLSHNKLKEIPPEIGCLENLTSLDVSYNLELR SFPNEMG
KLAKIWDLPLDELHLNDFDKHIGCKAKDIIRFLQQR LKKA VPYNRMK LMI
VGNTGSGKTTLLQQLMKT KKS D LGMQSATV GIDVKDWPIQIRDKRKRDLV
LNVWDFAGREEFYSTHPHMTQRALYLAVYDLSKGQAEVDAMKPWLFNIK
ARASSSPVILVGTHLDV SDEKQRKACMSKITKELLNKRGFPAIRDYHFVN
ATEESDALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILSERK
NVPIEFPVIDRKRLLQLVRENQLQLDENELPHAVHFLNESGVLLHFQDPA
LQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRRDVEKFLSKKR
KFPKNYMTQYFKLLEKFQIALPIGEEYLLVPSSLS DHRPVIELPHCENSE
IIRLYEMPYFPMGFWSRLINRLEISPYMLSGRERALRPNRMYWRQGIY
LNWSPEAYCLVGSEVLDNHPESFLKITVPS CRKGCILLGQVVDHIDSLME
EWFPGLLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMKKAEEGDL
LVNPDQPRLTIPISQIAPDLILADLPRNIMLNDELEFEQAPEFLLGDGS
FGSVYRAAYEGEEVAVKIFNKHTSLRLLRQELVVLCHLHHP SLISLLAAG
IRPRMLVMELASKGSLDRLLQQDKASLTRTLQHRIALHVADGLRYLHSAM
IYRDLKPHNVLLFTLYPNAIIAKIADYGIAQYCCRMGIKTSEGTPGFR
APEVARGNVIYNQQADVYSFGLLLYDILTTGGRIVEGLKFPNEFDELEIQ
GKLPDPVKEYGCAPWPMVEKLIKQCLKENPQERPTSAQVFDILNSAELVC
LTRRILLPKNVIVECMVATHHNSRNASIWLGC GHTDRGQLSFLDLNTEGY
TSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDGKKRHTLE
KMTDSVTCLYCNSFSKQSKQKNFLLVGTADGKLAIFEDKTVKLKGAAPLK
ILNIGNVSTPLMCLSESTNSTERNVMWGGCGTKIFSFSNDFTIQKLIETR
TSQLFSYAAFSDSNITVVVDTALYIAKQNSPVVEVWDKKTEKLCGLIDC
VHFLREVMVKENKESKHKMSYSGRVKTLCLQKNTALWIGTGGGHILLDL
STRRLIRVIYNFCNSVRVMMTAQLGSLKNVMLVLGYNRKNTEGTQKQKEI
QSCLTVWDINLPHEVQNLEKHIEVRKELAEKMRRTSVE*

Antibiotic:

Amp

Comments:

S1292A. All LRRK2 plasmids MUST be grown at 30°C or less to prevent recombination Contains SNP S1647T

Price per aliquot:

£110.00