

## LRRK2

Expressed:

**DAC-TEV-LRRK2 970-end**

Plasmid:

**pFB DAC TEV LRRK2 970-end**

Parent Plasmid:

**pFastbacDual DAC TEV**

DU Number:

**DU43452**

Genbank:

**NM\_198578.3**

Species:

**Human**

Synonyms:

**AURA17, DARDARIN, PARK8, RIPK7, ROCO2**

Sequence of Insert:

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GGATCCCATTTCAGACAGCATTCTTCTCTGGCTTCTGAGAGAGAATATATTACATCACTAGACCT
TTCAGCAAATGAACTAAGAGATATTGATGCCCTAAGCCAGAAATGCTGTATAAGTGTTCAATTTGG
AGCATCTTGAAAAGCTGGAGCTTCACCAGAATGCACTCACGAGCTTTCCACAACAGCTATGTGA
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GTTGAAAATGAGTTGTATTGCTAATCTTGATGTCTCTCGAAATGACATTGGACCCTCAGTGTTTTT
AGATCCTACAGTGAAATGTCCAACCTCTGAAACAGTTTAACTGTGCATATAACCAGCTGTCTTTTG
TACCTGAGAACCCTCACTGATGTGGTAGAGAACTGGAGCAGCTCATTTTAGAAGGAAATAAAAT
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ATTCATCCCTATCAGAGAACCTTCTTGAGGCTTGTCTAAAGTGGAGAGTTTCAGTGCCAGAAT
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TGATATTCAGTACCTACCAGGTCCCGCACACTGGAAATCTTTGAACTTAAGGGAACCTTTATTTA
GCCATAATCAGATCAGCATCTTGACTTGAGTGAAAAAGCATATTTATGGTCTAGAGTAGAGAA
ACTGCATCTTTCTCACAATAAACTGAAAGAGATTCTCCTGAGATTGGCTGTCTTGAAAATCTGA
CATCTCTGGATGTCAGTTACAACCTTGGAACTAAGATCCTTTCCCAATGAAATGGGGAAATTAAGC
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TTTGTGAATGCCACCGAGGAATCTGATGCTTTGGCAAACCTTCGGAAAACCATCATAAACGAGA  
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TGCTCCTTTGAAGATACTAAATATAGGAAATGTCAGTACTCCATTGATGTGTTTGAAGTGAATCCA  
CAAATTCAACGGAAAGAAATGTAATGTGGGGAGGATGTGGCACAAAGATTTTCTCCTTTTCTAAT  
GATTCACCATTAGAAACTCATTGAGACAAGAACAAGCCAAGTCTTCTTATGCAGCTTTCAG  
TGATTCCAACATCATAACAGTGGTGGTAGACACTGCTCTCTATATTGCTAAGCAAATAGCCCTG  
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AGGGAGGTAATGGTAAAAGAAAACAAGGAATCAAAACACAAAATGTCTTATTCTGGGAGAGTGA  
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CTGAAGGTACACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGTTTGGGACATCAATCTTCC  
ACATGAAGTGCAAATTTAGAAAAACACATTGAAGTGAGAAAAGAATTAGCTGAAAAAATGAGA  
CGAACATCTGTTGAGTAAGAGAGAAATAGGCGGCCGC

Amino Acid Sequence:

MSAIPGVQIDAESYILIDYNSGKVLAEQNADVRRDPASLTKMMTSYVIGQAMKAGKFKETDLVTIGN  
DAWATGNPVFKGSSLMFLKPGMQVPVSQLIRDINLQSGNDACVAMADFAAGSQDAFVGLMNSYVN  
ALGLKNTHFQTVHGLDADGQYSSARDMALIGQALIRDVPNEYSIYKEKEFTFNGIRQLNRNGLLWDN

SLNVDGIKTGHTDKAGYNLVAASATEGQMRLISAVMGGRTFKGREAESKLLTWGFRFFETVNPENLY  
FQGGSHSDSISSLASEREYITSLDLSANELRDIDALSQKCCISVHLEHLEKLELHQNALTSFPQQLCET  
LKSLTHLDLHSNKFTSFPSYLLKMSCIANLDVSRNDIGPSVVLDPVTKCPTLKQFNLSYNQLSFVPENL  
TDVVEKLEQLILEGNKISGICSPRLKELKILNLSKNHISSLSENFLEACPVESFSARMNFLAAMPFLP  
PSMTILKLSQNKFSCEPEAILNPLHLRSLDMSSNDIQYLPGPAHWKSLNRELLFSHNQISILDSEKAY  
LWSRVEKLHLSHNKLKEIPPEIGCLENLTSLDVSYNLELRSFPNEMGKLSKIWDLPDELHLNDFDKHI  
GCKAKDIIRFLQQRLKKAVPYNRMKLMIVGNTGSGKTTLLQQLMKTKKSDLGMQSATVGDVVDWPI  
QIRDKRKRDVLNVWDFAGREEFYSTHPHFMTQRALYLAVYDLSKGGQAEVDAMKPWLFNIKARASS  
SPVILVGTHLDVSDKQRKACMSKITKELLNKRGFPAIRDYHFVNATEESDALAKLRKTIINESLNFKIR  
DQLVVGQLIPDCYVELEKIILSERKNVPIEFVIDRKRLQLVRENQLQDENELPHAVHFLNESGVLLH  
FQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRRDVEKFLSKKRKFPKNYMTQYFKL  
LEKFQIALPIGEEYLLVPSSLSDRPVIELPHCENSEIIRLYEMPYFPMGFWSRLINRLEISPYMLSGR  
ERALRPNRMWYRQGIYLNWSPEAYCLVGSEVLDNHPESFLKITVPSCRKGCILLGQVVDHIDSLMEE  
WFPGLLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMMKKAEEGDLLVNPDPRLTIPISQIAPDLI  
LADLPRNIMLNDELEFEQAPEFLLGDGSFGSVYRAAYEGEEVAVKIFNKHTSLRLLRQELVVLCHLH  
HPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLRTTLQHRIALHVADGLRYLHSAMIIYRDLKP  
HNVLLFTLYPNAIIAKIADYGIAQYCCRMGIKTSEGTGPFRAPEVARGNVIYNQQADVYSFGLLYDIL  
TTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPMVEKLIKQCLKENPQERPTSAQVFDILNSA  
ELVCLTRRILLPKNVIVECMVATHHNSRNASIWLGCGHDRGQLSFLDLNTEGYTSEEVADSRILCLAL  
VHLPVEKESWIVSGTQSGTLLVINTEDGKKRHTLEKMTDSVTCLYCNSFSKQSKQKNFLLVGTADGK  
LAIFEDKTVKLKGAAPLKILNIGNVSTPLMCLSESTNSTERNVMWGGCGTKIFSFSNDFTIQKLIETRTS  
QLFSYAAFSDSNITVVVDALYIAKQNSPVVEVWDKTEKLCGLIDCVHFLREVMVKENKESKHKMS  
YSGRVKTLCLQKNTALWIGTGGGHILLDLSTRRLIRVIYNFCNSVRVMMTAQLGSLKNVMLVLGYNR  
KNTEGTQKQKEIQSCLTVWDINLPHVEVQNLEKHIEVRKELAEKMRRTSVE\*

Antibiotic:

**Amp**

Comments:

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

Price per aliquot:

**£110.00**