



## LRRK2

Expressed:

**6His-LRRK2 1326-end G2019/S**

Plasmid:

**pFastBac-b-LRRK2 1326-end G2019/S**

Parent Plasmid:

**pFastBac HTb**

DU Number:

**DU10572**

Genbank:

**XP\_058513**

Species:

**Human**

Synonyms:

Sequence of Insert:

```
GGATCCTTAAAAAAGGCTGTGCCTTATAACCGAATGAACTTATGATTGTGGGAAATACTGGGA  
GTGGTAAAACCACCTTATTGCAGCAATTAATGAAAACCAAGAAATCAGATCTTGGAAATGCAAAG  
TGCCACAGTTGGCATAGATGTGAAAGACTGGCCTATCCAATAAGAGACAAAAGAAAGAGAGA  
TCTCGTCCTAAATGTGTGGGATTTTGCAGGTCGTGAGGAATTCTATAGTACTCATCCCCATTTTAT  
GACGCAGCGAGCATTGTACCTTGCTGTCTATGACCTCAGCAAGGGACAGGCTGAAGTTGATGCC  
ATGAAGCCTTGGCTCTTCAATATAAAGGCTCGCGCTTCTTCTTCCCCTGTGATTCTCGTTGGCAC  
ACATTTGGATGTTTCTGATGAGAAGCAACGCAAAGCCTGCATGAGTAAAATCACCAAGGAAGTCT  
CTGAATAAGCGAGGGTTCCCTGCCATACGAGATTACCACTTTGTGAATGCCACCGAGGAATCTG  
ATGCTTTGGCAAACCTTCGGAAAACCATCATAAACGAGAGCCTTAATTTCAAGATCCGAGATCA  
GCTTGTTGTTGGACAGCTGATTCCAGACTGCTATGTAGAACTTGAAAAAATCATTTTATCGGAGC  
GTAAAAATGTGCCAATTGAATTTCCCGTAATTGACCGGAAACGATTATTACAAGTAGTGAGAGAA  
AATCAGCTGCAGTTAGATGAAAATGAGCTTCTCACGCAGTTCACCTTCTAAATGAATCAGGAGT  
CCTTCTTCATTTCAAGACCCAGCACTGCAGTTAAGTGACTTGTACTTTGTGGAACCCAAGTGGC  
TTTGTAATAATCATGGCACAGATTTTGCAGTGAAAGTGGAAGGTTGTCCAAAACACCCTAAGGG  
CATTATTTTCGCGTAGAGATGTGGAAAAATTTCTTTCAAAAAAAGGAAATTTCCAAAGAACTACA  
TGACACAGTATTTTAAGCTCCTAGAAAAATTCCAGATTGCTTTGCCAATAGGAGAAGAATATTTG  
CTGGTTCCAAGCAGTTTGTCTGACCACAGGCCTGTGATAGAGCTTCCCCATTGTGAGAAGTCTGA  
AATTATCATCCGACTATATGAAATGCCTTATTTTCCAATGGGATTTTGGTCAAGATTAATCAATCG  
ATTACTTGAGATTTACCTTACATGCTTTTCAAGGAGAGAACGAGCACTTCGCCCAAACAGAATGT  
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TTAGACAATCATCCAGAGAGTTTCTTAAAAATTACAGTTCCTTCTTGTAGAAAAGGCTGTATTCTT  
TTGGGCCAAGTTGTGGACCACATTGATTCTCTCATGGAAGAATGGTTTCTGGGTTGCTGGAGAT  
TGATATTTGTGGTGAAGGAGAACTCTGTTGAAGAAATGGGCATTATATAGTTTTAATGATGGTG  
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AAATCCAGATCAACCAAGGCTCACCATTCCAATATCTCAGATTGCCCTGACTTGATTTTGGCTG  
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CTAGGTGATGGCAGTTTTGGATCAGTTTACCGAGCAGCCTATGAAGGAGAAGAAGTGGCTGTGA  
AGATTTTAAATAAACATACACTCAGGCTGTTAAGACAAGAGCTTGTGGTGCTTTGCCACCTC  
CACCACCCAGTTTGATATCTTTGCTGGCAGCTGGGATTCGTCCCCGGATGTTGGTGATGGAGTT  
AGCCTCCAAGGGTTCCTTGATCGCCTGCTTCAGCAGGACAAAGCCAGCCTCACTAGAACCCTA  
CAGCACAGGATTGACTCCACGTAGCTGATGGTTTGAGATACCTCCACTCAGCCATGATTATATA  
CCGAGACCTGAAACCCACAATGTGCTGCTTTTCACTGTATCCAATGCTGCCATCATTGCAA  
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GAAGATGGGAAAAGAGACATACCCTAGAAAAGATGACTGATTCTGCTACTTGTGTTGATTGCA  
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GCAATTTTGAAGATAAGACTGTTAAGCTTAAAGGAGCTGCTCCTTTGAAGATACTAAATATAGG  
AAATGTCAGTACTCCATTGATGTGTTTGAAGTGAATCCACAAATTCACGGAAAGAAATGTAATGT  
GGGGAGGATGTGGCACAAGATTTTCTCCTTTTCTAATGATTTACCATTTCAGAAACTCATTGAG  
ACAAGAACAAGCCAACCTGTTTTCTTATGCAGCTTTCAGTGATTCCAACATCATAACAGTGGTGGT  
AGACACTGCTCTCTATATTGCTAAGCAAATAGCCCTGTTGTGGAAGTGTGGGATAAGAAAAC  
GAAAAACTCTGTGGACTAATAGACTGCGTGCACTTTTTAAGGGAGGTAATGGTAAAAGAAAACA  
AGGAATCAAACACAAAATGTCTTATTCTGGGAGAGTGAAAACCTCTGCCTTCAGAAGAACAC  
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TACGTGTAATTTACAACCTTTGTAATTCGGTCAGAGTCATGATGACAGCACAGCTAGGAAGCCTT  
AAAAATGTCATGCTGGTATTGGGCTACAACCCGAAAAAATACTGAAGGTACACAAAAGCAGAAAG  
AGATACAATCTTGCTTGACCGTTTGGGACATCAATCTTCCACATGAAGTGCAAAATTTAGAAAA  
CACATTGAAGTGAGAAAAGAATTAGCTGAAAAAATGAGACGAACATCTGTTGAGTAAGCGGCCG  
C

Amino Acid Sequence:

MSYYHHHHHDYDIPTTENLYFQGAMGSLKKAVPYNRMKLMIVGNTGSGKTTLLQQLMKTKKSDLG  
MQSATVGLDVKDWPIQIRDKRKRDLVLNVWDFAGREEFYSTPHFMTQRALYLAVYDLKSGQAEVD  
AMKPWLFNIKARASSPVILVGTHLDVSDEKQRKACMSKITKELLNKRGFPAIRDYHFVNATEESDAL  
AKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFPVIDRKRLQLVRENQLQLDENE  
LPHAVHFLNESGVLLHFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRRDVEKFLS  
KKRKFPKNYMTQYFKLLEKFQIALPIGEEYLLVPSSLSDHRPVIELPHCENSEIIIRLYEMPYFPMGFWS  
RLINRLEISPYMLSGRERLRPNRMWYRQGIYLNWSPEAYCLVGSEVLDNHPEFLKITVPSCRKGC  
ILLGQVVDHIDSLMEEWFPGLLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMKKAEEGDLLVN  
PDQPRLTIPISQIAPDLILADLPRNIMLNDELEFEQAPEFLLGDGSFSGSVYRAAYEGEEVAVKIFNKHT  
SLRLLRQELVVLCHLHPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLRTTLQHRIALHVAD  
GLRYLHSAMIIYRDLKPHNVLLFTLYPNAIIAKIADYSIAQYCCRMGIKTSEGTPGFRAPEVARGNVIY  
NQQADVYSFGLLLYDILTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPMVEKLIKQCLKEN  
PQERPTSAQVFDILNSAELVCLTRRILLPKNVIVECMVATHHNSRNASIWLGCGHTRDGRQLSFLDLNT  
EGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDGKKRHTLEKMTDSVTCLYCNSFS  
KQSKQKNFLLVGTADGKLAIFEDKTVKLGGAAPLKILNIGNVSTPLMCLSESTNSTERNVMWGGCGT  
KIFSFSNDFTIQKLIETRTSQLFSYAAFSDSNIITVVVDALYIAKQNSPVVEVWDKKTCLKGLIDCVHF  
LREVMVKENKESKHKMSYSGRVKTLCLQKNTALWIGTGGGHILLDLSTRRLIRVIYNFCNSVRVMMT  
AQLGSLKNVMLVLYGNRKNTEGTQKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKMRRTSVE

Antibiotic:

**Amp**

Comments:

**S1601 IN NCBI XP\_058513 IS T IN OUR CONSTRUCT (FROM EST) All LRRK2 plasmids MUST be grown at 30 degrees C or less to prevent recombination. Contains SNP S1647T**

Price per aliquot:

**£110.00**

