



## LRRK2

Expressed:

**GFP LRRK2 L728D L729D**

Plasmid:

**pcDNA5D FRT/TO GFP LRRK2 L728/729D**

Parent Plasmid:

**pcDNA5D FRT/TO GFP**

DU Number:

**DU27032**

Species:

**Human**

Synonyms:

Sequence of Insert:

**ATGGCTAGTGGCAGCTGTCAGGGGTGCGAAGAGGACGAGGAAACTCTGAAGAAGTTGATAGTC  
AGGCTGAACAATGTCCAGGAAGGAAAACAGATAGAAACGCTGGTCCAAATCCTGGAGGATCTG  
CTGGTGTTCACGTA CTCCGAGCACGCCTCCAAGTTATTTCAAGGCAAAAATATCCATGTGCCTCT  
GTTGATCGTCTTGGACTCCTATATGAGAGTCGCGAGTGTGCAGCAGGTGGGTTGGTCACTTCTGT  
GCAAATTAATAGAAGTCTGTCCAGGTACAATGCAAAGCTTAATGGGACCCAGGATGTTGGAAA  
TGATTGGGAAGTCCTTGGTGTTCACCAATTGATTCTTAAAATGCTAACAGTTCATAATGCCAGTG  
TAACTTGTGAGTATTGGACTGAAGACCTTAGATCTCCTCCTAACTTCAGGTAATAATCACCTTG  
CTGATATTGGATGAAGAAAGTGATATTTTCATGTTAATTTTTGATGCCATGCACTCATTCCAGCC  
AATGATGAAGTCCAGAACTTGGATGCAAAGCTTTACATGTGCTGTTTGAGAGAGTCTCAGAGG  
AGCAACTGACTGAATTTGTTGAGAACAAGATTATATGATATTGTTAAGTGCCTAACAAATTTTA  
AAGATGAAGAGGAAATTGTGCTTCATGTGCTGCATTGTTTACATTCCCTAGCGATTCCCTTGCAAT  
AATGTGGAAGTCCTCATGAGTGGCAATGTCAGGTGTTATAATATTGTGGTGGAAAGCTATGAAAG  
CATTCCCTATGAGTGAAAGAATTCAAGAAGTGAGTTGCTGTTTGCTCCATAGGCTTACATTAGGT  
AATTTTTCAATATCCTGGTATTAAACGAAGTCCATGAGTTTGTGGTGAAGCTGTGCAGCAGTA  
CCCAGAGAATGCAGCATTGCAGATCTCAGCGCTCAGCTGTTTGGCCCTCCTCACTGAGACTATTT  
TCTTAAATCAAGATTTAGAGGAAAAGAATGAGAATCAAGAGAATGATGATGAGGGGGAAGAAG  
ATAAATTGTTTTGGCTGGAAGCCTGTTACAAAGCATTACGTGGCATAGAAAGAACAAGCACGT  
GCAGGAGGCCGCATGCTGGGCACTAAATAATCTCCTTATGTACCAAACAGTTTACATGAGAAG  
ATTGGAGATGAAGATGGCCATTTCCAGCTCATAGGGAAGTGATGCTCTCCATGCTGATGCATT  
CTTCATCAAAGGAAGTTTTCCAGGCATCTGCGAATGCATTGTCAACTCTCTTAGAACAAAATGTT  
AATTCAGAAAAATACTGTTATCAAAAGGAATACACCTGAATGTTTTGGAGTTAATGCAGAAGCA  
TATACATTCTCCTGAAGTGGCTGAAAGTGGCTGTAATAATGCTAAATCATTTTTGAAGGAAGCA  
ACACTTCCCTGGATATAATGGCAGCAGTGGTCCCCAAAATACTAACAGTTATGAAACGTCATGA  
GACATCATTACCAGTGCAGCTGGAGGCGCTTCGAGCTATTTTACATTTTATAGTGCCTGGCATGC  
CAGAAGAATCCAGGGAGGATACAGAATTTTCATCATAAGCTAAATATGGTTAAAAAACAGTGTTT  
CAAGAATGATATTCACAAACTGGTCCTAGCAGCTTTGAACAGGTTTATTGGAAATCCTGGGATTC  
AGAAATGTGGATTAATAAAGTAATTTCTTCTATTGTACATTTTCTGATGCATTAGAGATGTTATCCC**

TGGAAGGTGCTATGGATTCAGTGCTTCACACACTGCAGATGTATCCAGATGACCAAGAAATTCA  
GTGTCTGGGTTTAAGTCTTATAGGATACTTGATTACAAAGAAGAATGTGTTTCATAGGAACTGGAC  
ATCTGCTGGCAAAAATTCTGGTTTCCAGCTTATACCGATTTAAGGATGTTGCTGAAATACAGACT  
AAAGGATTTTCAGACAATCTTAGCAATCCTCAAATTGTCAGCATCTTTTTCTAAGCTGCTGGTGCAT  
CATTCAATTTGACTTAGTAATATTCCATCAAATGTCTTCCAATATCATGGAACAAAAGGATCAACA  
GTTTCTAAACCTCTGTTGCAAGTGTTTTGCAAAAGTAGCTATGGATGATTACTTAAAAAATGTGAT  
GCTAGAGAGAGCGTGTGATCAGAATAACAGCATCATGGTTGAATGCGATGACCTATTGGGAGCA  
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CCAAATTGGTGGAACTCTTACTGAATAGTGGATCTCGTGAACAAGATGTACGAAAAGCGTTGAC  
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GTGGCCAACAATAGCATTTCCTTGGAGGATTTTGTATAGGAAAAGTTGAACCTTCTTGGCTTGG  
TCCTTTATTTCCAGATAAGACTTCTAATTTAAGGAAACAAACAAATATAGCATCTACACTAGCAA  
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CCTGGTCATCAATACCGAAGATGGGAAAAAGAGACATACCCTAGAAAAGATGACTGATTCTGTC  
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GCTGATGGCAAGTTAGCAATTTTGAAGATAAGACTGTTAAGCTTAAAGGAGCTGCTCCTTTGAA  
GATACTAAATATAGGAAATGTCAGTACTCCATTGATGTGTTGAGTGAATCCACAAATCAACGG  
AAAGAAATGTAATGTGGGGAGGATGTGGCACAAAGATTTTCTCCTTTTCTAATGATTTACCATT  
CAGAAACTCATTGAGACAAGAACAAGCCAAGTCTTTCTTATGCAGCTTTCAGTGATTCCAACAT  
CATAACAGTGGTGGTAGACACTGCTCTCTATATTGCTAAGCAAATAGCCCTGTTGTGGAAGTGT  
GGGATAAGAAAACCTGAAAACTCTGTGGACTAATAGACTGCGTGCACCTTTTAAAGGGAGGTAAT  
GGTAAAAGAAAACAAGGAATCAAAACACAAAATGTCTTATTCTGGGAGAGTGAAAACCCTCTGC  
CTTCAGAAGAACACTGCTCTTTGGATAGGAACTGGAGGAGGCCATATTTTACTCCTGGATCTTTC  
AACTCGTCGACTTATACGTGTAATTTACAACCTTTTGAATTCGGTCAGAGTCATGATGACAGCAC  
AGCTAGGAAGCCTTAAAAATGTCATGCTGGTATTGGGCTACAACCGGAAAAATACTGAAGGTAC  
ACAAAAGCAGAAAGAGATACAATCTTGCTTGACCGTTTGGGACATCAATCTTCCACATGAAGTG  
CAAAATTTAGAAAAACACATTGAAGTGAGAAAAGAATTAGCTGAAAAAATGAGACGAACATCTG  
TTGAGTAAGAGAGAAATAGGCGGCCCG

Amino Acid Sequence:

MVSKGEELFTGVVPIVVELDGDVNGHKFSVSGEGEGDATYGKLTCLKFICTTGKLPVPWPTLVTTLTYG  
VQCFSRYPDHMKQHDFFKSAMPEGYVQERTIFFKDDGNYKTRAIEVKFEGDTLVNRIELKIDFKEDG  
NILGHKLEYNYNVSHNYIMADKQKNGIKVNFKIRHNIEDGSVQLADHYQQNTPIGDGPVLLPDNHYLST  
QSALSKDPNEKRDHMLLEFVTAAGITLGMDELYKSGLGSMASGSCQGCEEDEETLKKLIVRLNNVQ  
EGKQIETLVQILEDLLVFTYSEHASKLFQGNHIVPLLVLDVSYMRVASVQQVGSLLCKLIEVCPGTM  
QSLMGPQDVGNDWEVLGVHQLILKMLTVHNASVNLVIGLKTLDLLTSGKITLLILDEESDIFMLIFDA  
MHSFPANDEVQKLGCKALHVLFRVSEEQLTEFVENKDYMILLSALTNFKDEEEIVLHVLHCLHSLAIP  
CNNVEVLMMSGNVRCYNIVVEAMKAFFMSERIQEVSCLLHRLTLGNFFNILVLNEVHEFVVKAVQQYP  
ENAALQISALSCLALLTETIFLNQDLEEKNNENQENDDEGEEDKLFWLEACYKALTWHRKNKHVQEAA  
CWALNLLMYQNSLHEKIGDEDGHFPAHREVMLSMLMHSSSKEVFQASANALSTLLEQNVNFRKILL  
SKGIHLNVLELMQKHIHSPEVAESGCKMLNHLFEGSNTSLDIMA AVVPKILTVMKRHETSLPVQLEAL  
RAILHFIVPGMPEESREDTEFHKLNMVKKQCFKNDIHLVLAALNRFIGNPGIQKCGLKVIVSSIVHFPD  
ALEMLSLEGAMDSVLHTLQMPDDQEIQCLGLSLIGYLITKKNVFIGTGHLAKILVSSLYRFKDVAEIQ  
TKGFQILAILKLSASFSKLLVHHSFDLVIFHQMSSNIMEQKQDQFLNLCKCFAKVAMDDYLKNVML  
ERACDQNSIMVECDLLGADANQAKEGSSLICQVCEKESSPKLVLLLNSGSREQDVRKALTISIGK

GDSQIISLLLRRRLALDVANNSICLGGFCIGKVEPSWLGPLFPDKTSNLRKQTNIAS TLARMVIRYQMKSAVEEGTASGSDGNFSEDLVSKFDEWTFIPDSSMDSVFAQSDDLSEGESEGSFLVKKKSNSISVGEFYRDAVLQRCSPNLQRHSNSLGPFDHEDLLKRKRKILSSDDSLRSSKLQSHMRHSDSISLASEREYITSLDLSANELRDIDALSQKCCISVHLEHLEKLELHQNALTSFPQQLCETLKSLTHLDLHSNKFTSFPSYLLKMSCIANLDVSRNDIGPSVVLDPVTKCPTLKQFNLSYNQLSFVPENLTDVVEKLEQLILEGNKISGICPLRLKELKILNLSKNHISLSENFLEACPKNVESFSARMNFLAAMPFLPPSMTILKLSQNKFSCIPAILNLPHLRSLDMSSNDIQYLPGPAHWKSLNRELLFSHNQISILDSEKAYLWSRVEKLHLSHNKLKEIPP EIGCLENLTSLDVSYNLELRSFPNEMGKLSKIWDLPLDELHLNFDKFKHIGCKAKDIIRFLQQRLLKAVPYNRMKLMIVGNTGSGKTTLLQQLMKTKKSDLGMQSATVGDVVDWPIQIRDKRKRDLVNLVWDFAGREEFYSTHPHFMTRALYLAVYDLSKGQAEVDAMKPWLFNIKARASSPVLVGHLDVSDEKQRKACMSKITKELLNKRGFPAIRDYHFVNATEESDALAKLRKTIINESLNFKIRDQLVVGQLIPDCYVELEKIILSERKNVPIEFPVIDRKRLQLVRENQLQDENELPHAVHFLNESGVLLHFQDPALQLSDLYFVEPKWLCKIMAQILTVKVEGCPKHPKGIISRRDVEKFLSKKRKFPKNYMTQYFKLLEKFQIALPIGEEYLLVPSSLSDHRPVIELPHCENSEIIIRLYEMPYFPMGFWSRLINRLLLEISPYMLSGRERALRPNRMYWRQGIYLNWSPEAYCLVGSEVLDNHPESFLKITVPSCRKGCILLGQVVDHIDSLMEEWFPGLLEIDICGEGETLLKKWALYSFNDGEEHQKILLDDLMMKKAEEGDLLVNPDPQRLTIPISQIAPDLILADLPRNIMLNDELEFEQAP EFLLDGSGFSGSVYRAAYEGEEVAVKIFNKHTSLRLLRQELVVLCHLHHPSLISLLAAGIRPRMLVMELASKGSLDRLLQQDKASLRTLQHRIALHVADGLRYLHSAMIIYRDLKPHNVLLFTLYPNAIIAKIADYGIAQYCCRMGIKTSEGTPGFRAPEVARGNVIYNQQADVVSFGLLLYDILTTGGRIVEGLKFPNEFDELEIQGKLPDPVKEYGCAPWPMVEKLIKQCLKENPQERPTSAQVFDILNSAELVCLTRRILLPKNVIVECMVATHHNSRNASIWLGCGHDRGQLSFLDLNTEGYTSEEVADSRILCLALVHLPVEKESWIVSGTQSGTLLVINTEDGKKRHTLEKMTDSVTCLYCNSFSKQSKQKNFLLVGTADGKLAIFEDKTVKLKGAAPLKI LNIGNVSTPLMCLSESTNSTERNVMWGGCGTKIFSFSNDFTIQKLIETRTSQLFSYAAFSDSNIITVVVD TALYIAKQNSPVVEVWDKKTEKLCGLIDCVHFLREVMVKENKESKHKMSYSGRVKTLCLQKNTALWIGTGGGHILLDLSTRRLIRVIYNFCNSVRVMMTAQLGSLKNVMLVLGYNRKNTEGTQKQKEIQSCLTVWDINLPHEVQNLEKHIEVRKELAEKMRRTSVE\*

Antibiotic:

**Amp**

Comments:

**2 silent mutations G1624 K1637 Grow at or below 30°C Contains SNP S1647T**

Price per aliquot:

**£110.00**