

Product datasheet for **MG211710**

Lrrk1 (BC072664) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrk1 (BC072664) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrk1
Synonyms:	MGC28646, mKIAA1790
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211710 representing BC072664 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAGCAAAGTCTTTACCAGGTGGCAGCTCCACGGTGCAGTGCCCCAGCATGGAAGAAATCCACA
CTGCGTACAAGCAGAGGAACCTCTCCGAGCCGAGACCTACTCAGAGGGGTTTGTGAAGAGAGCGAATC
CTCACAGGAGAAGGGCCAGCTGCTGAGCATCGCGGCAGCCACGGGGATCTGGAGACTGTTCAAGTTCCTG
CTCACTGAGAAGCGCTGGAGCTGCCGACGAGCCACCGATGACAACCCAGCTGTGGTGGCAGCGCATT
TTGGACACGCCGAAGTAGTACGTGAAGTACTAGAGTCTTCCAGGTCCTGTACCCCCAGCGGCTACT
GAACTGGATGCTGGCCCTGGCTTCCAGCGAGGGCACCTGGAGGTTGTGAAGCTGCTGGTCTGACACAT
GGGGCTGACCCGGAGAAGTATGCCGTCAGGAAGAATGAGTTCGCCGTCATTGTGGCGTTGCCCTCTATG
CGGCCATCAAGGCAGGAATGAAGACATTGCCATATTCCTGCTTCCGACGGAGCCATTTCTGCTCCTA
CATCCTGCTGGATAGTCTGAGCCAAGCAAACATCTGCTCAGGAAGTATTTATCGAAGCCAGCGCCCTG
CCCAGCAGCTATCCCGGAAAATCGCACTTCGTGTGAAATGGTCCCATCTGAAGTTGCCCTGGGTGGACC
TGGACTGGCTCCTAGACATCTCCTGCCAGATCACAGAGCTTGACCTGTCTGCCAACTGCCTGCCTTCGCT
CCCTTCCATCATCCCTTGGGACTCATCAATCTAAGAAGCTGAATCTCTCAAACAACCAGCTGGGGGAG
CTGCCCTGCGTGCAGTCTCCGACGAAATCATCTGCTCCAGGTTACTTGAAATTGACATCCAGCAACA
AACTGTCTCACCTCCCTCCTGGATTCTGCACCTCTCAAACTTCAAAAGCTGACTGCTTCAAAAATA
CCTGGAGCGGCTGTTTGAAGAAGAAAACGCCACTAACTGGATCGCCCTGCGGAAGCTGCAAGAACTCGAT
CTAGCTGACAACAGGCTGACAGAGCTCCCTGTCCAATTTATGCACTCCTTCAAGTCTCTCACCTCTCTGA
ATGTCTCCAGGAACAACCTGAAGAGCTTCCCGGATCCCTGGTCTGCCCTTTGAAATGTTGTAAAGCCTC
CAAAAATGCCCTGGAATCGCTGCCAGACAAAATGGCTGTCTTTTGGAAAAGCCACCTTCGGGATGCAGAT
TTCTCTGAGAAGTCTCTGAAAGAGGTGCCCTGGGATTGTTCCAGCTTGACGCCCTCATGTTCTTGAGGT
TACAGGAAACCAGCTGTTGCTGCTGCCACCTCAAGAGAAGTGGACCTGCACCAACTCAAGACCCTGGA
CCTCTCCAGAAACCAGCTCGGCAAAAATGAAGATGGGCTTAAAACAAGAGGATCTCCCTGTTACCACC



AGAGGGGCCAGCGTTCTGGAAGTGAACAGCCTCCATGTTGGAATCCCAGCTTTCCTAAGTGAGTCTT
TGGAGGTCCTTTGTCTGAATGACAAACCTCTTGATGCTGTTCCCCATCGGTCTGCCTGCTGAAGAACCT
CTCAGAGCTCTACTTGGGCAATAAACCTGGCCTCCGAGAGCTCCCTCCGGAGCTAGGCCAGCTGGGGAAC
CTCTGGCAACTGGACATTGAAGATCTGAACATTAGCAACGTGCCTGCGGAGGTGAGGAAAGAGGCCCGA
AAGCAACACTGTCTTCTGCGTGTGCTGAGTGCACAAAGCAGAGAAGTGAAGCTGATGAAGATGATCCT
CGTGGGTCCCCCGCCAGGGCAAGTCCACACTCCTGGAGATCTTACAGACCGGGAAGGCCCCGAGCTA
GCACACAGTGAAGCCACCATCAGGACCACCAAGTGGGAGCTCCAGAGACCAGCAGGCTCCAAAGCCAAG
TTGAGTCCGTAGAGTTCAACGTCTGGGACATCGGGGTCCGGCCAGCATGGCCACGGTCAATCAGTGCTT
CTTCACAGACAAGGCGCTGTATGTGGTGGTCTGGAACCTGGCACTGGGAGAGGAAGCCGTGGCCAACCTC
CAGTTCTGGCTGCTCAACATTGAGGCCAAGGCCCAAATGCCGTTGTGCTGGTGGTGGGACACACCTGG
ACCTAATCGAAGCTAAGTTCGAGTGGAGAGGATAGCAACCTGCGTGCCTACGTGCTGGCCCTCTGCCG
CTCGCCATCGGGTCCAGGGCTACGGGCTTCCCGACATCACTTTCAAACACTTGCATGAGATCTCTGC
AAGAATCTGGAAGGCGAGGAGGGCTGCGGCAACTGATCTCCACGTACGTGCAACATGAAGGATGTGG
GTAGCACTATCGGCTGTCAAAAACCTCGCCGGCAGGCTGATCCCCAGGAGCTACATAAGCCTACAGGAGG
CGTGCTGGCTGAGCAACAGCGCCGAGTCTGGGTGACCAAGTACAGTATCTGACGGACAGGCAGCTGGAC
CAGCTGGTAGAGCAGACGCTGGCAATGATATCAAAGACTATGAAGACCTGCAGTCTGCCATCAGCTTCC
TCATAGAAAACCTGGGACCCTGCTGCACTTTCCAGACACGAGCCATGGCCTAAGGAACCTCTACTTCTGGA
TCCCATCTGGCTCTCTGAATGCCTGCAGAGGATCTTTAACATCAAGGGCTCGCGGTGAGTGGCAAAGAAT
GGGGTGTCCAAGCGGAAGACCTCAGGATGCTGCTGGTGGGGACAGGCTTACACAGCAGACTGAGGAGC
AATACTTCCAGTTCCTTGCCAAGTTCGAGATTGCCCTCCCTGTTGCCAATGACAGCTACCTCCTACCACA
CCTCCTTCCATCCAAGCCTGGGCTGGACACCCACAGCATGCGGCACCCAATGGCTAACACCATCCAGCGG
GTGTTTAAAGATGAGCTTCGTGCCTGTTGGCTTCTGGCAACGGTTCATAGCACGGATGCTAATCAGCTTGG
CTGAGATGGACCTGCAGCTTTTTGAAAACAAGAAGAATACGAAAAGCAGGAACCGGAAAGTCACTATTTA
CAGTTTTTACAGGGAGCCAGAGAAAACCGCTGCAGTACATTCCGAGTCCGAAGAAATCAGACCATCTACTGG
CAGGAAGGGCTGCTGGTCACTTTTCGATGGGGGCTACCTCAGTGTGGAATCCTCAGATGTGAACTGAAAA
AGAAAAAAGCGGAGGAATTAATCATCTGCCAGTCAAGATGAGGGACTTCTCGGCAATGGCTTTTAT
CACAGACCATGTCAACTCCCTGATTGACCAGTGGTTCCCTGCCCTGACGGCCACAGAGTGGTGCCTGGCT
GTCTGGAGGGGCTGGGGCCAGGGAGTTTACATCTTACCAGCTCCCTACCAGCTATTCCAGTGTG
CCTTCTCTGCCAACTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

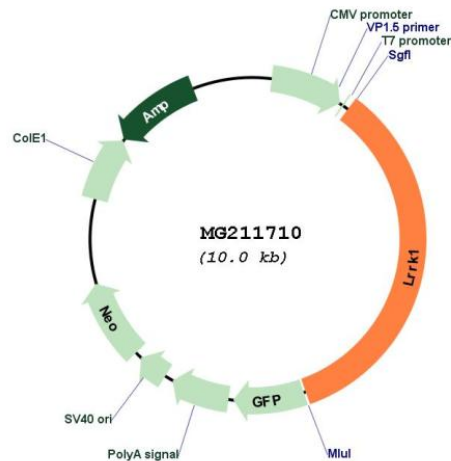
Protein Sequence: >MG211710 representing BC072664
 Red=Cloning site Green=Tags(s)

MGSKLSLPGGSSTVQCPSMEEIHTAYKQRNLSRARDLLRGVCEESESSQEKQQLSIAAAHGDLETVQFL
 LTEKRVELPTEPTDDNPVVAAHFGHAEVVRELLESPLGPCTPQRLLNWMLALACQRGHLEVVKLLVLTH
 GADPENYAVRKNFPPVIVRLPL YAAIKAGNEDIAIFLLRHGAYFCSYILLDSPEPSKHLRKYFIEASAL
 PSSYPGKIALRVKWSHLKLPWVDLDWLLDISCQITELDL SANCLPSLPSIIPWGLINLKKLNL SNNQLGE
 LPCVQSSDEIICSRLLEIDISSNKL SHLPPGFLHL SKLQKLTASKNYLERLFEENATNWI GLRKLQELD
 LADNRL TELPVQFMHSFKSLTSLNVSNNLKSFPDPWSCPLKCKKASKNALES L PDKMAVFWKSHLRDAD
 FSENLSKEVPLGLFQLDALMFLRLQGNQLSLPPQEKWCTQLKTLDL SRNLGKNE DGLKTRISLFTT
 RGRQRSGTETASMLEFPAFLSESLEVLCLNDNHLDAVPPSVCLLKNLSELYLGNNPGLRELPELGLGN
 LWQLDIEDLNISNVAEVRKEGPKATLSFLRAQLRKA EKCKLMKMILVGP PRQ GKSTLLEILQTGKAPQL
 AHSEATIRTTKWELQRPAGSKAKVESVEFNVDIGGPASMATVNQCFFTDKALYVVVWNLALGEEAVANL
 QFWLLNIEAKAPNAVVLVVGTHLDLIEAKFRVERIATL RAYVLALCRSPSGSRATGFPDITFKHLHEISC
 KNLEGEQELRQLIFHVTCNMKDVGSTIGCQKLAGRLIPRSYISLQEAVLAEQQRSLGDQVQYL TDRQLD
 QLVEQTPGNDIKDYEDLQSAISFLIETGTLHF PDTSHGLRNLYFLDPIWLS ECLQRIFNIKGSRSVAKN
 GVIQAEDLRMLLVGTGFTQQTEEQYFQFLAKFEIALPVANDSYLLPHLLPSKPGLDTHSMRHPMANTIQR
 VFKMSFVPVGFWRFIARMLISLAEMDLQLFENKNTKSRNRKVTIYSFTGSQRNRCSTFRVRNQTIYW
 QEGLLVTFDGGYLSV ESDVNWKKKSGGIKII CQSEMRDFSAMAFITDHVNSLIDQWFPAL TATEWCLA
 VWRGWGAREFDIFYQLPHQLFQCAFLCQL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI
Cloning Scheme:



Plasmid Map:


ACCN: BC072664

ORF Size: 3447 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC072664.1](#)

RefSeq Size: 5284 bp

RefSeq ORF: 3449 bp

Locus ID: 233328

Cytogenetics: 7 C