

Product datasheet for **SC308077**

LRRN5 (LRRN2) (NM_201630) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | LRRN5 (LRRN2) (NM_201630) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | LRRN2 |
| Synonyms: | FIGLER7; GAC1; LRANK1; LRRN5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >SC308077 representing NM_201630.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGAGGCTTCTCGTGGCCCCACTCTTGTAGCTTGGGTGGCTGGTCCACTGCCGCTGTGCCGTGGTA
CCCTGGCATGTTCCCTGCCCCCTCAGTGTGCCTGCCAGATCCGGCCCTGGTATACGCCCGCTCGTCC
TACCGCGAGGCTACCACTGTGGACTGCAATGACCTATTCCTGACGGCAGTCCCCCGGCACTCCCGCA
GGCACACAGACCCTGCTCCTGCAGAGCAACAGCATTGTCCGTGTGGACCAGAGTGAGCTGGGCTACCTG
GCCAATCTCACAGAGCTGGACCTGTCCCAGAACAGCTTTTCGGATGCCCGAGACTGTGATTTCCATGCC
CTGCCCCAGCTGCTGAGCCTGCACCTAGAGGAGAACCAGCTGACCCGGCTGGAGGACCACAGCTTGGCA
GGGCTGGCCAGCCTACAGGAACCTATCTCAACCACAACCAGCTCTACCCATCGCCCCAGGGCCTTT
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TATGCCCTGGAGGGGCTGCAAAGCTGGAGAGCCTCTCCTTCTATGACAACCAGCTGGCCCGGGTGCCC
AGGCGGGCACTGGAACAGGTGCCCGGGCTCAAGTTCCTAGACCTCAACAAGAACCCTCCAGCGGGTA
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GCTCTCAGTGCCTTGACCAGCAGACGGTGGAGTCCCTGCCAACCTGCAGGAGGTAGGTCTCCACGGC
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CCGCAATCCACCCTGTGTGCGGAGCCTCCGGACCTCCAGCGCCTCCCGGTCCGTGAGGTGCCCTCCGG
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GCTGGGCTTCGACTGACACCTGCCCATGCAGGCAGGAGTACCGGGTGTACCCCGAGGGGACCCTGGAG
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ACTAAGACGGTTAGTGTGGTTGTGGCCGTGCTCTCCTCCAGCCAGGCAGGGACGAAGGACAGGGGCTG
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TCCACCAACCTCACCTGGTCCAGTGCCTCCTCCCTCCGGGGCCAGGGGGCCACAGCTCTGGCCCGCTG
CCTCGGGGAACCCACAGTACAACATTACCCGCTCCTCAGGCCACGGAGTACTGGGCTGCCTGCAA
GTGGCCTTTGCTGATGCCACACCCAGTTGGCTTGTGTATGGGCCAGGACAAAGAGGCCACTTCTTGC
CACAGAGCCTTAGGGGACCGTCTGGGCTCATTGCCATCCTGGCTCTCGTGTCTTCTCCTGGCAGCT
GGGCTAGCGGCCACCTTGGCACAGGCCAACCCAGGAAGGGTGTGGGTGGGAGGGCGCCTCTCCCTCCA
GCCTGGGCTTTCTGGGGCTGGAGTGCCCTTCTGTCCGGTGTGTCTGCTCCCTCGTCTGCCCTGG
AATCCAGGGAGGAAGCTGCCAGATCCTCAGAAGGGGAGACACTGTTGCCACCATTGTCTCAAAATTCT
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map: □

ACCN: NM_201630

Insert Size: 2142 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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: | <ol style="list-style-type: none">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: | NM_201630.1 |
| RefSeq Size: | 3207 bp |
| RefSeq ORF: | 2142 bp |
| Locus ID: | 10446 |
| UniProt ID: | O75325 |
| Cytogenetics: | 1q32.1 |
| Protein Families: | Druggable Genome, Transmembrane |
| MW: | 78.9 kDa |
| Gene Summary: | <p>The protein encoded by this gene belongs to the leucine-rich repeat superfamily. This gene was found to be amplified and overexpressed in malignant gliomas. The encoded protein has homology with other proteins that function as cell-adhesion molecules or as signal transduction receptors and is a candidate for the target gene in the 1q32.1 amplicon in malignant gliomas. Two alternatively spliced transcript variants encoding the same protein have been described for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform.</p> |