

## Product datasheet for **RG219836**

### **LRRN3 (NM\_001099658) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	LRRN3 (NM_001099658) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRN3
Synonyms:	FIGLER5; NLRR-3; NLRR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG219836 representing NM\_001099658  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGGACATGCCACTCCGAATTCATGTGCTACTTGGCCTAGCTATCACTACACTAGTACAAGCTGTAG  
 ATAAAAAGTGGATTGTCCACGGTTATGTACGTGTGAAATCAGGCCTTGGTTTACACCCAGATCCATTTA  
 TATGGAAGCATCTACAGTGGATTGTAATGATTTAGGTCTTTTAACTTTCCAGCCAGATTGCCAGCTAAC  
 ACACAGATTCTTCTCCTACAGACTAACAAATATTGCAAAAATTGAATACTCCACAGACTTTCCAGTAAACC  
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 GCTCCTTTCTGTGACTAGAGGAAAAACAACTTACTGAACTGCCTGAAAAATGTCTGTCCGAACTGAGC  
 AACTTACAAGAACTCTATTAATCACAACTTGCTTTCTACAATTTACCTGGAGCCTTTATTGGCCTAC  
 ATAATCTTCTCGACTTCATCTCAATTCAAATAGATTGCAGATGATCAACAGTAAGTGGTTTGATGCTCT  
 TCCAAATCTAGAGATTCTGATGATTGGGAAAAATCCAATTATCAGAATCAAAGACATGAACTTTAAGCCT  
 CTATCAATCTTCGACGCTGGTTATAGCTGGTATAAACCTCACAGAAATACCAGATAACGCCTTGGTTG  
 GACTGGAAAACTTAGAAAGCATCTCTTTTACGATAACAGGCTTATTAAGTACCCCATGTTGCTCTTCA  
 AAAAGTTGAAATCTCAAATTTTGGATCTAAATAAAATCCTATTAATAGAATACGAAGGGGTGATTTT  
 AGCAATATGCTACACTTAAAAGAGTTGGGGATAAATAATGCCTGAGCTGATTTCCATCGATAGCTTG  
 CTGTGGATAACCTGCCAGATTTAAGAAAAATAGAAGCTACTAACAAACCCTAGATTGTCTTACATTCACCC  
 CAATGCATTTTTCAGACTCCCAAGCTGGAATCACTCATGCTGAACAGCAATGCTCTCAGTGCCTGTAC  
 CATGGTACCATTGAGTCTCTGCCAAACCTCAAGGAAATCAGCATACACAGTAACCCCATCAGGTGTGACT  
 GTGTCATCCGTTGGATGAACATGAACAAAACCAACATTCGATTTCATGGAGCCAGATTCATGTTTTGCGT  
 GGACCCACCTGAATTCGAAGTCAAGATGTTCCGCAAGTGCATTTTCAGGGACATGATGGAATTTGTCTC  
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 TACCCTGACAGACAAGTTCTATGTCCATTCTGAGGGAACACTAGATATAAATGGCGTAACTCCCAAAGAA  
 GGGGGTTTATATACTTGTATAGCAACTAACCTAGTTGGCGCTGACTTGAAGTCTGTTATGATCAAAGTGG  
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 GAAAATCTCATGCTGCGCAAAGTGTCTGAATACCATCTGATGTCAAGGTATATAATCTTACTCATCTGA  
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 ACTGTGATGGTGGACACAGCTATGTGAGGAATTAACAGAAACCAACCTTTGCATTAGGTGAGCTTTA  
 TCCTCCTGTATAAATCTCTGGGAAGCAGGAAAAGAAAAAGTACATCACTGAAAGTAAAAGCAACTGTT  
 ATAGGTTTACCAACAAATATGTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG219836 representing NM\_001099658  
 Red=Cloning site Green=Tags(s)

MKDMPRIHVLLGLAITTLVQAVDKKVDPCRLCTCEIRPWFTPRSIYMEASTVDCNDLGLLTFPARLPAN  
 TQILLQTNNAKIEYSTDFPVNLTGLDLSQNNLSSVTNINVKKMPQLLSVYLEENKLTPEKCLSELS  
 NLQELYINHLLSTISPGAFIGLHNLRLHLNSNRLQMINSKWFDALPNLEILMIGENPIIRIKDMNFKP  
 LINLRSLVIAGINL TEIPDNALVGLLENLESISFYDNRLIKVPHVALQKVVNLFKFLDLNKNPINRIRRGDF  
 SNMLHLKELGINNMPELISIDSLAVDNL PDLRKIEATNNPRLSYIHPNAFFRLPKLESLMLNSNALSALY  
 HGTIESLPNLKEISIHSNPIRCDCVIRWMNMKNIRFMEPDSLFCVDPPEFQGGQNVVRQVHFRDMMEICL  
 PLIAPESFPSNLNVEAGSYVSFHCRAEAEPQPEIYWITPSGQKLLPNTLTDKFYVHSEGLDINGVTPKE  
 GGLYTCIATNLVGADLKSVMIKVDGSPQDNNGSLNIKIRDIQANSVLVSWKASSKILKSSVKWTAFAVKT  
 ENSHAAQSARIPSDVKVYNLTHLNPSTEYKICIDIPTIYQKNRKKCVNVTTKGLHPDQKEYEKNNTTLM  
 ACLGGLGIIGVICLISCLSPENMCDGGHSYVRNYLQKPTFALGELYPPLINLWEAGKEKSTSLKVKATV  
 IGLPTNMS

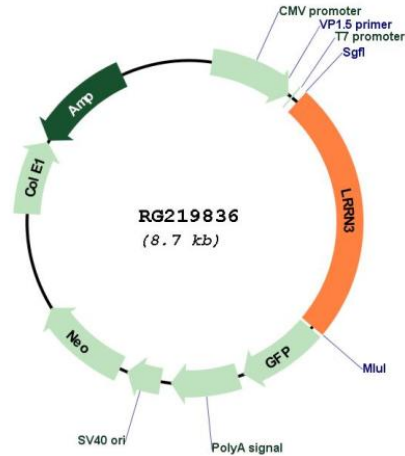
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_001099658

**ORF Size:** 2124 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:** [NM\\_001099658.2](#)

**RefSeq Size:** 3637 bp

**RefSeq ORF:** 2127 bp

Locus ID: 54674  
UniProt ID: [Q9H3W5](#)  
Cytogenetics: 7q31.1  
Protein Families: Transmembrane