

Product datasheet for **RG204350**

LRRN4 (NM_152611) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LRRN4
Synonyms:	C20orf75; dJ1056H1.1; NLRR-4; NLRR4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG204350 representing NM_152611
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCGGCAAAACCTACCGCTGCTGCTGCTGACGGTGCTGCGCCCCAGCTGGGCAGACCCTCCCCAGGAGA
 AGGTCCCGCTCTTCGGGTCACCTCAGCAGGGCCCTGGGGGAGCAGTGGCAGCAACGCCACCGACTCGCC
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 CTGTCCGATGTCTCTGAGGCGGGGCCAGACGCTGGGCTGCAGCGCTGCGACACGACCTGGTGGCCT
 ACAAAAACCCGGCCTTTGATGATTACCGCTGGGGCTCCAGACCGTCAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG204350 representing NM_152611

Red=Cloning site Green=Tags(s)

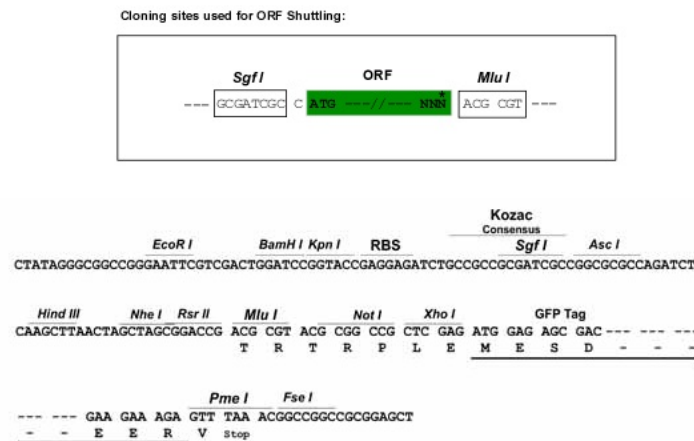
MRQTLPLLLTLVLRPSWADPPQEKVPLFRVTQQGPWGSSGSNATDSPCEGLPAADATALTANRNLRLP
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TGPALSSLRALALAGNPLRALQPRACFPALQLNL SCTALGRGAQGGIAEAFAGEDGAPLVTLEVLD
LSGTFLERVE SGWIRDLPKL TSL YLRKMPRL TTLEGDIFKMPNLQQLDQDSPALASVATHIFQDTPHL
QVLLFQNCNLSSFPPWTL DSSQVLSINLFGNPL TCSCDL SWLLTDAKRTVL SRAADTMCAPAAGSSGPF
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PHSDAREGTAPSTNSVAGHSNSSVFRAASTTRTQHRGEHAPELVLEPDISAASTPLASKLLGPFTSW
DRSISSPQPGQRTATPQAPNPSLSEGEIPVLLDDYSEEEGRKEEVGTPHQDVPCDYHPCKHLQTPCA
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ATARQHPLYGLSPGTTYRVCVLAANRAGLSQPRSSGWRSPCAAFTKPSFALLLSGLCAASGLLLASTVV
LSACLRRGQTLGLQRCDTHLVAYKNPAFDDYPLGLQTVS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_152611

ORF Size:

2220 bp

OTI Disclaimer:

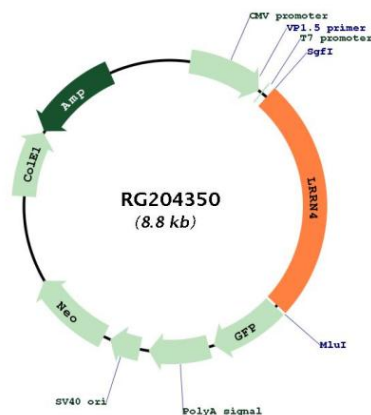
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_152611.5
RefSeq Size:	2982 bp
RefSeq ORF:	2223 bp
Locus ID:	164312
UniProt ID:	Q8WUT4
Cytogenetics:	20p12.3
Protein Families:	Transmembrane
Gene Summary:	May play an important role in hippocampus-dependent long-lasting memory. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204350