

Product datasheet for **RG228597**

LRRD1 (NM_001161528) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LRRD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG228597 representing NM_001161528
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGAAAAGGAGGGTATGTCAGAAGTCTAGAGGATACTATTAGTCAATTTAGGAAAGAATCTAGAT
 CACAGTCAATGAAGGAGCCTGGCTTTATTAAGAAACATCAAATTTGATAAACGAAGCTTCTGATTACCT
 GGAAGGGAATCTTCTAACCAGATTTATGAAACACATCCTAGACAGAATACATTAGAGTCAACATCTTCC
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 GCATATGAAATTATGGACAAAATAACAGCTTTAAATCTTTTACGCGTGCAATTAATTC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG228597 representing NM_001161528

Red=Cloning site Green=Tags(s)

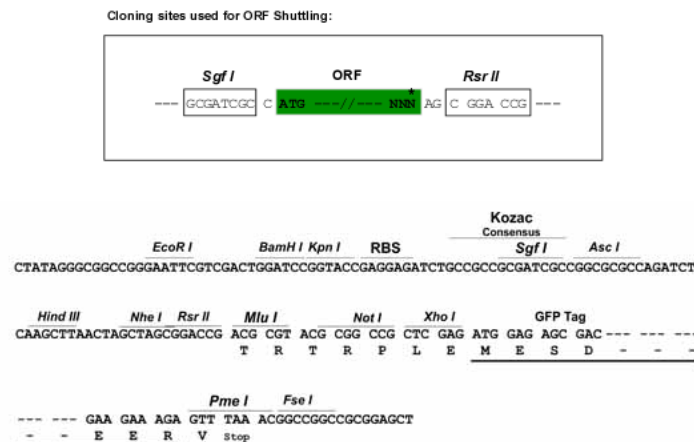
MSEKEGMSEVLEDTISQFRKESRSQSMKEPGFIKETSNIINEASDYLEGKSSNQIYETHPRQNTLESTSS
SGRKSQRNEEQKKNLQFSETSTRGTGSSQLSSLTGRTAEQALVNFLSHETVGEVSPQVSEENQKQLGLG
ADNFTVNLEAKGLQEPKDIKIKYVKYL YLDKNQIKTFQGADSGDLLGLEILSLQENGLSSLPSEIQLL
HNLRLNVSHNHISHIPKEISQLGNIRQLFFYNNYIENFSPDLECLGNLEILSLGKNKL RHIPDTLPSLK
TLRVLNLEYNQLTTFPKALCFLPKLISDLTGNISSLPKEIRELNKLETLMDHNKLTFLAVEIFQLLK
IKELQLADNKLEVISHKIENFRELRILILDKNLLKNIPEKISCCAMLECLSLSDNKLTELPHYHKLNNL
RKLHVNRRNMVKITDCISHLNNICSLFSGNIIITDVPIEIKNCQKIIEIELSYNKIMYFPLGLCALDSLY
YLSVNGNYISEIPVDISFSKQLLHLELSENKLLIFSEHFCSLINLKYLDLGNQIKKIPASISNMISLHV
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QLNLSGNNLTALPSAIYNIFSLKEINFDDNPLRPPVEICKGKQLYTIARYLQRADERDEKILEKIFKIV
ANNITETNFEFLCQKLNLANSETDMPTKSTVSLSERAHQALVIWKTQSNKLSLTAAALRDQLIRALTMIG
AYEIMDKITALNLFTRAIKF

SGPTRRRLE - GFP Tag - V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN:

NM_001161528

ORF Size:

2580 bp

OTI Disclaimer:

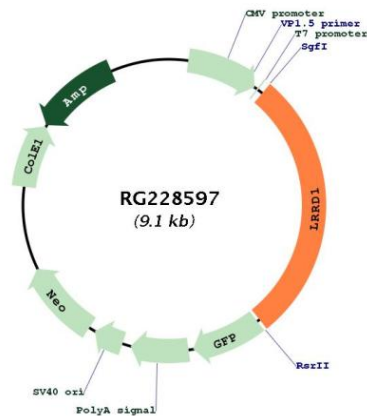
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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:	<u>NM_001161528.1, NP_001155000.1</u>
RefSeq Size:	2661 bp
RefSeq ORF:	2583 bp
Locus ID:	401387
UniProt ID:	<u>A4DIF6</u>
Cytogenetics:	7q21.2

Product images:



Circular map for RG228597