

Product datasheet for **RG227900**

LRIG3 (NM_001136051) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRIG3 (NM_001136051) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRIG3
Synonyms:	LIG3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227900 representing NM_001136051 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGACGTACTTCTGTTGTTCTCCCTCTGCTTGTCTTTTACATTAGCAGACCGGACTTAAGTCACA
ACAGATTATCTTTCATCAAGGCAAGTCCATGAGCCACCTTCAAAGCCTTCGAGAAGTAAAAGTAAACAA
CAATGAATTGGAGACCATTCCAATCTGGGACCAGTCTCGGCAAAATTACACTTCTCTCCTTGGCTGGA
AACAGGATTGTTGAAATACTCCCTGAACATCTGAAAGAGTTTCAGTCCCTTAAAAGTAAAGTAAAGTAA
GCAACAATATTTAGAGCTCCAACTGCATTTCCAGCCCTACAGCTCAAATATCTGTATCTCAACAGCAA
CCGAGTCACATCAATGGAACCTGGGTATTTGACAATTTGGCCAACACACTCCTTGTGTTAAAGTGAAC
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AAGAAATGGAGTAACGAACTTATGGATGGAGCTTTTGGGGGCTGAGCAACATGGAAATTTTGCAGCTG
GACCATAACAACCTAACAGAGATTACCAAAGGCTGGCTTACGGCTTGTGATGCTGCAGGAACTTCATC
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AATTTTACAGTCTTATGACTTGGACACA
    
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG227900 representing NM_001136051

Red=Cloning site Green=Tags(s)

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MVDVLLFLSLCLLFIHISRPDL SHNRLSFIKASSMSHLQSLREVKLNNELETIPNLGPV SANITLLSLAG
NRIVEILPEHLKEFQSLETLDLSSNISELQTAFPALQLKYL YLNSNRVTSMEPGYFDNLANTLLVLKLN
RNRISAIPP KMFKL PQLQHLELN RNKIKNV DGLTFQGLGALKSLKMQRNGVTKLMDGAFWGLSNMEILQL
DHNNLTEITKGWLYGLLMLQELHL SQNAINRISPDAWEFCQKLS ELDLTFNHL SRLDDSSFLGLSLLNTL
HIGNNRVSYIADCAFRGLSS LKTLDLKNNEISWTIEDMNGAFSGLDKLRRLILQGNRIRSIKKAFTGLD
ALEHLDLSDNAIMSLQGNAFSQMKKLQQLHLNTSLLCDCQLKWL PQWVAENNFQSFVNASCAHPQLLKG
RSIFAVSPDGFVCDFFPKPQITVQPETQSAIKGSNLSFICSAASSDSPMTFAWKKNELLHDAEMENYA
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RLECAAVGHPAPQIAWQKDGDTFPAARERRMHVMPEDDVFFIVDVKIEDIGVYSCTAQNSAGSISANAT
LTVLETPSFLRPLLDRVTKGETAVLQCIAGGSPPPKNLWTKDSDSPLVVTERRHFFAAGNQLLIIIVSDVS
DAGKYTCEMSNTLGTERRGNVRLSVIPTPTCDSPQMTAPSLDDDGWATVGVVIIAVVCCVVGTSLVWVVII
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CHIDNSSEADVEAATDLFLCPFLGSTGPMYLGKGNVYGSDFPETYHTGCSPDPRTVLM DHYEPSYIKKKEC
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FGKALRRPHLDAYSSFGQPSDCQPRAFYLKAHSSPDLDSGSEEDGKERTDFQEENHICTFKQTL ENYRTP
NFQSYDLDT
    
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TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<u>NM_001136051.2</u> , <u>NP_001129523.1</u>
RefSeq Size:	3662 bp
RefSeq ORF:	3180 bp
Locus ID:	121227
UniProt ID:	<u>Q6UXM1</u>
Cytogenetics:	12q14.1
Protein Families:	Transmembrane
Gene Summary:	May play a role in craniofacial and inner ear morphogenesis during embryonic development. May act within the otic vesicle epithelium to control formation of the lateral semicircular canal in the inner ear, possibly by restricting the expression of NTN1 (By similarity). [UniProtKB/Swiss-Prot Function]