

## Product datasheet for RC227900

### LRIG3 (NM\_001136051) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LRIG3 (NM_001136051) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRIG3
Synonyms:	LIG3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC227900 representing NM_001136051 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGGACGTACTTCTGTTGTTCTCCCTCTGCTTGTCTTTTACATTAGCAGACCGGACTTAAGTCACA  
ACAGATTATCTTTCATCAAGGCAAGTCCATGAGCCACCTTCAAAGCCTTCGAGAAGTAAAAGTAAACAA  
CAATGAATTGGAGACCATTCCAATCTGGGACCAGTCTCGGCAAAATTACACTTCTCTCCTTGGCTGGA  
AACAGGATTGTTGAAATACTCCCTGAACATCTGAAAGAGTTTCAGTCCCTTAAAAGTAAAGTAAAGTAA  
GCAACAATATTTAGAGCTCCAACTGCATTTCCAGCCCTACAGCTCAAATATCTGTATCTCAACAGCAA  
CCGAGTCACATCAATGGAACCTGGGTATTTGACAATTTGGCCAACACACTCCTTGTGTTAAAGTGAAC  
AGGAACCGAATCTCAGCTATCCCAACCAAGATGTTTAACTGCCCAACTGCAACATCTCGAATTGAACC  
GAAACAAGATTAATAATGTAGATGGACTGACATTTCAAAGCCTTGGTGCTCTGAAGTCTCTGAAAATGCA  
AAGAAATGGAGTAACGAACTTATGGATGGAGCTTTTGGGGGCTGAGCAACATGGAAATTTTGCAGCTG  
GACCATAACAACCTAACAGAGATTACCAAAGGCTGGCTTACGGCTTGTGATGCTGCAGGAACTTCATC  
TCAGCCAAAATGCCATCAACAGGATCAGCCCTGATGCCTGGGAGTCTGCCAGAAGCTCAGTGAGCTGGA  
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CACCTCCGGGCCAAGGTGGCGAGGTGATGGAGTATACCACCATCCTTCGGCTGCGCGAGGTGGAATTTG  
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**Protein Sequence:**

>RC227900 representing NM\_001136051

Red=Cloning site Green=Tags(s)

MVDVLLFLSLCLLFIHISRPDL SHNRLSFIKASSMSHLQSLREVKLNNELETIPNLGPV SANITLLSLAG  
 NRIVEILPEHLKEFQSLETLDLSSNNISELQTAFPALQLKYL YLNSNRVTSMEPGYFDNLANTLLVLKLN  
 RNRI SAIPPKMFKLPQLQHLELNRNKIKNVDGLTFQGLGALKSLKMRNGVTKLMDGAFWGLSNMEILQL  
 DHNNL TEITKGWLYGLLMLQELHL SQNAINRISPDAWEFCQKLS ELDLTFNHL SRLDDSSFLGLSLLNTL  
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 LTVLETSPFLRPLLDRTVTKGETAVLQCIAGGSPPPKNLWTKDSDSPLVVTERRHFAAGNQLLIIIVSDSVS  
 DAGKYTCEMSNTLGTERRGNVRLSVIPTPTCDSPQMTAPSLDDDGWATVGVVIIAVVCCVVGTSLVVWVVI  
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 CHIDNSSEADVEAATDLFLCPFLGSTGPMYLGKNVYGSDFPETYHTGCSPDPRTVLMHDHYEPSYIKKKEC  
 YPCSHPSEESCERSFSNI SWPSHVRKLLNTSYSHNEGPGMKNLCLNKSSLD SANPEPASVASSNSFMGT  
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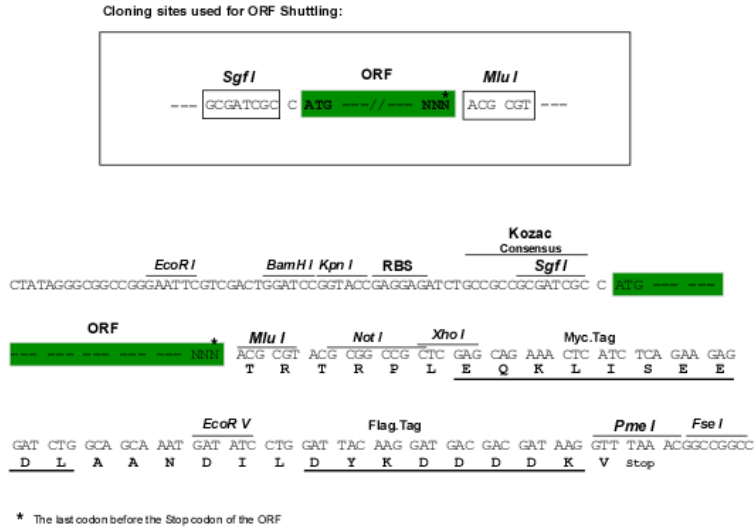
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8006\\_e03.zip](https://cdn.origene.com/chromatograms/mk8006_e03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001136051

**ORF Size:** 3177 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\\_001136051.2](#), [NP\\_001129523.1](#)

**RefSeq ORF:** 3180 bp

**Locus ID:** 121227

**UniProt ID:** [Q6UXM1](#)

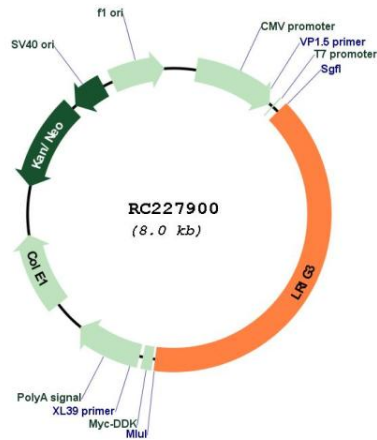
**Cytogenetics:** 12q14.1

**Protein Families:** Transmembrane

**MW:** 117.3 kDa

**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]

**Product images:**



Circular map for RC227900