

## Product datasheet for **SC326326**

### LRIG3 (NM\_001136051) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LRIG3 (NM_001136051) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRIG3
Synonyms:	LIG3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326326 representing NM_001136051. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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CGGCTGCGCGAGGTGGAATTTGCCAGTGAGGGGAAATATCAGTGTGCATCTCCAATCACTTTGGTTCA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
    
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001136051
- Insert Size:** 3180 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA
- 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001136051.1</u>
<b>RefSeq Size:</b>	3691 bp
<b>RefSeq ORF:</b>	3180 bp
<b>Locus ID:</b>	121227
<b>UniProt ID:</b>	<u>Q6UXM1</u>
<b>Cytogenetics:</b>	12q14.1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	117.4 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1).</p>