

Product datasheet for **SC318503**

LRIG3 (NM_153377) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRIG3 (NM_153377) 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:	>NCBI ORF sequence for NM_153377, the custom clone sequence may differ by one or more nucleotides

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ATGAGCGCGCCGAGCCTCCGTGCGCGCGCCGCGGGTTGGGGCTGCTGCTGTGCGCGGTG
CTGGGGCGCGCTGGCCGGTCCGACAGCGCGGTGCGGGGAACTCGGGCAGCCCTCTGGG
GTAGCCGCGGAGCGCCATGCCCACTACCTGCCGCTGCCTCGGGGACCTGCTGGACTGC
AGTCGTAAGCGGCTAGCGCGTCTTCCCGAGCCACTCCCGTCTGGGTGCTCGGCTGGAC
TTAAGTACAACAGATTATCTTTCATCAAGCAAGTTCATGAGCCACCTTCAAAGCCTT
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GCAAATATTACACTTCTCTCCTTGGCTGGAAACAGGATTGTTGAAATACTCCCTGAACAT
CTGAAAGAGTTTTCAGTCCCTTCAAACCTTGGACCTTAGCAGCAACAATATTTTCAGAGCTC
CAAACCTGCATTTCCAGCCCTACAGCTCAAATATCTGTATCTCAACAGCAACCGAGTCACA
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AGGAACCGAATCTCAGCTATCCCAACCAAGATGTTTAAACTGCCCAACTGCAACATCTC
GAATTGAACCGAAACAAGATTAATAATGTAGATGGACTGACATTTCAAAGCCTTGGTGCT
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GGCTGGCTTTACGGCTTGTGATGCTGCAGGAACCTCATCTCAGCCAAAATGCCATCAAC
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TTAAATACATCAAGCCTTTTGTGCGATTGCCAGCTAAAATGGCTCCACAGTGGGTGGCG
GAAAACAACCTTTCAGAGCTTTGTAATGCCAGTTGTGCCATCCTCAGCTGCTAAAAGGA
AGAAGCATTTTGTGTTAGCCAGATGGCTTTGTGTGATGATTTTCCCAACCCAG

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ATCACGGTTCAGCCAGAAACACAGTCGGCAATAAAAGGTTCCAATTTGAGTTTCATCTGC
 TCAGCTGCCAGCAGCAGTGATCCCAATGACTTTTGCTTGAAAAAGACAATGAACTA
 CTGCATGATGCTGAAATGGAAATATGCACACCTCCGGGCCAAGTGGCGAGGTGATG
 GAGTATACCACCATCCTTCGGCTGCGCGAGGTGGAATTTGCCAGTGAGGGGAAATACAG
 TGTGTCATCTCCAATCACTTTGGTTCATCTACTCTGTCAAAGCCAAGCTTACAGTAAAT
 ATGCTTCCCTCATTACCAAGACCCCATGGATCTCACCATCCGAGCTGGGGCCATGGCA
 CGCTTGGAGTGTGCTGTGGGGCACCCAGCCCCCAGATAGCCTGGCAGAAGGATGGG
 GGCACAGACTTCCCAGCTGCACGGGAGAGACGCATGCATGTGATGCCCGAGGATGACGTG
 TTCTTTATCGTGGATGTGAAGATAGAGGACATTGGGGTATACAGCTGCACAGCTCAGAAC
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 GGAGGAAGCCCTCCCCTAAACTGAACTGGACCAAAGATGATAGCCATTGGTGGTAAACC
 GAGAGGCACCTTTTTGCAGCAGGCAATCAGCTTCTGATTATTGTGGACTCAGATGTCAGT
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 GGCACGCTCACTCGTGTGGTGGTTCATCATATACCACACAAGGCGGAGGAATGAAGATTGC
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 CAGTTTGTACATCTTCAGGTGCTGGATTTTTCTTACCACAACATGACAGTAGTGGGACC
 TGCCATATTGACAATAGCAGTGAAGCTGATGTGGAAGCTGCCACAGATCTGTTCCTTTGT
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 TTTGAAACATATCATAACAGTTGCAGTCTGACCCAAGAACAGTTTTAATGGACCATAT
 GAGCCCAGTTACATAAAGAAAAAGGAGTGTACCCATGTTCTCATCCTTACAAGAAATCC
 TCGCAACGGAGCTTCAAGTAAATATATCGTGGCCTTACATGTGAGGAAGCTACTTAACT
 AGTTACTCTCACAATGAAGGACCTGGAATGAAAAATCTGTGTCTAAACAAGTCTCTTTA
 GATTTTAGTGAAATCCAGAGCCAGCGTCGGTTCGCTCGAGTAATTTTTCATGGGTACC
 TTTGGAAAAGCTCTCAGGAGACCTCACCTAGATGCCTATTCAAGCTTTGGACAGCCATCA
 GATTGTCAGCCAAGACCTTTTATTTGAAAGCTCATTCTCCCCAGACTTGGACTCTGGG
 TCAGAGGAAGATGGGAAAGAAAGACAGATTTTCAGGAAGAAAATCACATTTGTACCTTT
 AACAGACTTTAGAAAACACAGGACTCCAATTTTCAGTCTTATGACTTGGACACA

- Restriction Sites:** Please inquire
- ACCN:** NM_153377
- 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).

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_153377.3](#), [NP_700356.2](#)

RefSeq Size: 4053 bp

RefSeq ORF: 3360 bp

Locus ID: 121227

UniProt ID: [Q6UXM1](#)

Cytogenetics: 12q14.1

Domains: LRRCT, ig

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]

Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region and represents the use of an alternate promoter, compared to variant 1, which results in a protein (isoform 2) with a shorter and distinct N-terminus, compared to isoform 1.