

Product datasheet for **SC315173**

LRIG1 (NM_015541) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: LRIG1 (NM_015541) Human Untagged Clone
Tag: Tag Free
Symbol: LRIG1
Synonyms: LIG-1; LIG1
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_015541 edited
 ATGGCGCGGCCGGTCCGGGGAGGGCTCGGGGCCCGCGCCGCTCGCCTTGCCCTTCTCCTT
 CTCTGGCTGCTTTTGGCTTCGGCTGGAGCCGGTGACCGCCCGGGCCCGGGGCGCC
 TCGCGCGGCCCTGCACTTGCCTGGGGACTCGCTGGACTGCGGTGGGCGCGGGCTGGCT
 GCGTTGCCCGGGGACCTGCCCTCCTGGACGCGGAGCCTAAACCTGAGTTACAACAAACT
 TCTGAGATTGACCTGCTGGTTTTGAGGACTTGCCGAACCTACAGGAAGTGTACCTCAAT
 AATAATGAGTTGACAGCGGTACCATCCCTGGGCGCTGCTTCATCAGTGTGCTCTCTC
 TTTCTGCAGCACAACAAGATTTCGAGCGTGGAGGGGAGCCAGCTGAAGGCCTACCTTTCC
 TTAGAAGTGTAGATCTGAGTTTGAACAACATCACGGAAGTGCAGAACACCTGCTTTCCA
 CACGGACCGCCTATAAAGGAGCTCAACCTGGCAGGCAATCGGATTGGCACCTGGAGTTG
 GGAGCATTGATGGTCTGTCACGGTTCGCTGCTAACTCTTCGCTGAGCAAAAACAGGATC
 ACCCAGCTTCTGTAAGAGCATTCAAGCTACCCAGGCTGACACAACCTGGACCTCAATCGG
 AACAGGATTCCGGCTGATAGAGGGCTCACCTTCCAGGGGCTCAACAGCTTGGAGGTGCTG
 AAGCTTCAGCGAAACAACATCAGCAAACTGACAGATGGGGCTTCTGGGGACTGTCCAAG
 ATGCATGTGCTGCACCTGGAGTACAACAGCCTGGTAGAAGTGAACAGCGGCTCGCTCTAC
 GGCCTCACGGCCCTGCATCAGCTCCACCTCAGCAACAATTCCATCGCTCGCATTACCCGC
 AAGGGCTGGAGCTTCTGCCAGAAGCTGCATGAGTTGGTCTGCTTCAACAACCTGACA
 CGGCTGGACGAGGAGAGCCTGGCCGAGCTGAGCAGCCTGAGTGTCTGCTGCTCAGCCAC
 AATCCATCAGCCACATTGCGGAGGGTGCCTTCAAGGGACTCAGGAGCCTGCGAGTCTTG
 GATCTGGACCATAACGAGATTTTCGGGCACAATAGAGGACACGAGCGGCGCCTTCTCAGGG
 CTCGACAGCCTCAGCAAGCTGACTCTGTTTGGAAACAAGATCAAGTCTGTGGCTAAGAGA
 GCATTCTCGGGGCTGGAAGGCTGGAGCACCTGAACCTTGGAGGGAATGCGATCAGATCT
 GTCCAGTTTGTGCTTTGTGAAGATGAAGAATCTTAAAGAGCTCCATATCAGCAGCGAC
 AGCTTCTGTGTGACTGCCAGCTGAAGTGGCTGCCCCGTGGCTAATTGGCAGGATGCTG
 CAGGCCTTTGTGACAGCCACCTGTGCCACCCAGAATCACTGAAGGGTCAAGCATTTC
 TCTGTGCCACCAGAGAGTTTCGTGTGCGATGACTTCTGAAGCCACAGATCATCACCAG
 CCAGAAACCACCATGGCTATGGTGGCAAGGACATCCGGTTTACATGCTCAGCAGCCAGC



[View online »](#)

```

AGCAGCAGCTCCCCATGACCTTTGCCTGGAAGAAAGACAATGAAGTCCTGACCAATGCA
GACATGGAGAAGTTTGTCCACGTCCACGCGCAGGACGGGGAAGTATGGAGTACACCACC
ATCCTGCACCTCCGTGAGGTCACTTTCCGGGCACGAGGGCCGCTACCAATGTGTCATCACC
AACCACTTTGGTCCACCTATTCACATAAGGCCAGGCTCACCGTGAATGTGTTGCCATCA
TTCACCAAAACGCCCCACGACATAACCATCCGGACCACCACCATGGCCCCGCTCGAATGT
GCTGCCACAGGTACCCAAACCCCTCAGATTGCCTGGCAGAAGGATGGAGGCACGGATTTT
CCCCGTGCCCGTGAGCGACGCATGCATGTCATGCCGGATGACGACGTGTTTTTTCATCAT
GATGTGAAAATAGATGACGCAGGGGTTTACAGCTGTACTGCTCAGAACTCAGCCGTTCT
ATTTACAGCTAATGCCACCTGACTGTCTAGAGACCCCATCCTTGGTGGTCCCCTTGGA
GACCGTGTGGTATCTGTGGGAGAAAACAGTGGCCCTCCAATGCAAAGCCACGGGGAACCT
CCGCCCCGCATCACCTGGTTCAAGGGGACCGCCCGCTGAGCCTCACTGAGCGGCACCAC
TTGACCCCTGACAACCAGCTCCTGGTGGTTCAGAACGTGGTGGCAGAGGATGCGGGCCGA
TATACCTGTGAGATGTCCAACACCCTGGGCACGGAGCGAGCTCACAGCCAGCTGAGCGTC
CTGCCCGCAGCAGGCTGCAGGAAGGATGGGACCACGGTAGGCATCTTACCATTGCTGTC
GTGAGCAGCATCGTCTGACGTCACTGGTCTGGGTGTGCATCATCTACCAGACCAGGAAG
AAGAGTGAAGAGTACAGTGTACCAACACAGATGAAACCGTCGTGCCACCAGATGTTCCA
AGCTACCTCTCTTCTCAGGGGACCCTTTCTGACCGACAAGAAACCGTGGTCAGGACCGAG
GGTGGCCCTCAGGCCAATGGGCACATTGAGAGCAATGGTGTGTCCAAGAGATGCAAGC
CACTTTCCAGAGCCCACACTCACAGCGTTGCCTGCAGGCAGCCAAAGCTCTGTGCTGGG
TCTGCGTATCACAAAGAGCCGTGGAAAGCGATGGAGAAAGCTGAAGGGACACCTGGGCCA
CATAAGATGGAACACGGTGGCCGGTTCGATGCAGTGACTGCAACACCGAAGTGGACTGT
TACTCCAGGGGACAAGCCTTCCACCCCGAGCCTGTGTCCAGAGACAGCGCACAGCCAAGT
GCGCCAAATGGCCCGGAGCCGGTGGGAGTGACCAAGAGCATTCTCCACATCACCAGTGC
AGCAGGACTGCCGCTGGTCTGCCCGAGTGCCAAGGGTCGCTCTACCCAGTAACCAC
GATAGAATGCTGACGGCTGTGAAGAAAAAGCCAATGGCATCTCTAGATGGAAAGGGAT
TCTTCTGGACTTTAGCAAGTTGTATCACCCGGACTCCACAGAGCTACAGCCTGCATCT
TCATTAATTCAGGCAGTCCAGAGCGCGCGGAAGCCAGTACTTGCTTGTTCATGCGC
CACCTCCCAAAGCATGTGACGCCAGTCCCGAGTCCACGCCACTGACAGGACAGCTCCCC
GGGAAACAGAGGGTGCCACTGCTGTTGGCACCAAAAAGCTAG

```

- Restriction Sites:** Please inquire
- ACCN:** NM_015541
- Insert Size:** 3300 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).

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_015541.2](#), [NP_056356.2](#)

RefSeq Size: 4812 bp

RefSeq ORF: 3282 bp

Locus ID: 26018

UniProt ID: [Q96JA1](#)

Cytogenetics: 3p14.1

Domains: LRRNT, LRRCT, LRR, ig, LRR_TYP, IGc2, IG, LRR_SD22, LRR_PS

Protein Families: Transmembrane

Gene Summary: Acts as a feedback negative regulator of signaling by receptor tyrosine kinases, through a mechanism that involves enhancement of receptor ubiquitination and accelerated intracellular degradation.[UniProtKB/Swiss-Prot Function]