

Product datasheet for **SC315130**

LRIG2 (NM_014813) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRIG2 (NM_014813) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRIG2
Synonyms:	LIG-2; LIG2; UFS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315130 representing NM_014813. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGGCGCCGGCGCCCTAGGCGTCCCGAGGAGCAGTTGCTGGGTGTCGATCTAGAGTGCTTTCTCGG
TTACTCTTCATTGCCAGACCGCTCTCCTCTGTTGCCCGCCGCCGAGCAGGTCTGCCCCGCCGCC
TGCTCCTGCCGATTCTCTCTGGACTGCAGTCGCAGGAAATGCCCGCACCAGCTGGAGGGCGCTG
TCGGGCTTGCTGCCCCCGACACCGCTATCCTGGATTTCACTCATAATCGGTTGTCTAACTGGAACATC
AGCTTGGAATCACAAACATTACAGGAAGTGAATGAATTACAATGAACAAACAGAAATCCCGTATTTT
GGAGAACCTACATCTAATATTACTCTACTTTTCACTAGTCCATAATATAATCCAGAAATAAATGCACAG
GCACTCCAGTTTTACCCTGCTCTGGAGAGTTTAGACCTCAGCTCAAATATAATATCAGAAATCAAGACA
TCTTCATTTCTCGCATGCAGCTTAAATACCTGAATTTAAGTAATAACAGAAATAACACCTTGAGGCT
GGTTGCTTCGATAATTTATCAAGTTCCTTATTAGTGGTAAAGTTAAACCGTAACCGAATGAGCATGATT
CCACCTAAGATCTTCAAGCTGCCTCACCTCCAATCTTGGAACCTAAAGAAACAGAAATTAATTTGTG
GAAGGTCTTACATTCAAGGGCTTGACTCCTTAAGATCTTTGAAATGCAGCGGAATGGAATTAGCAAA
CTTAAGGATGGAGCATTTTTGGCTTGAATAACATGGAAGAACTAGAAGTGAACACAACAACCTTACA
CGAGTAAACAAGGGTGGTTGTATGGCTTGCGAATGTTACAGCAGCTCTATGTGAGCCAGAATGCTATT
GAAAGAATCAGCCCTGATGCATGGGAGTTCTGCCAAAGACTATCCGAACCTGATTTGCTCTATAACCA
CTGACCCGCTGGATGAATCTGCCCTTTGTGGGTCTGAGCTTATTGGAGAGATTGAATTTAGGAGACAAC
AGAGTCACTCATATTGCTGATGGTGTATTTAGATTTCTTTCCAATCTTCAGACATTAGACTTAAGAAAC
AATGAAATTTTATGGCCATAGAAGATGCTAGTGAAGCCTTTGCTGGACTCACAAGTCTCACTAACTA
ATCTTACAAGGAAACAGATTAAGTCAATTACAAAGAAAGCATTATTGGTCTTGAATCCCTTGAGCAT
CTAGATTTGAACAATAATGCTATAATGTCTATCCAAGAAATGCTTTTCTCAGACTCATTTAAAGAA
CTGATTCTGAACACAAGCAGTTTGCTCTGTGACTGCCATTTGAAGTGGCTACTTCAATGGTTGGTTGAT
AATAACTTTCAACATTCTGTGAATGTAAGCTGTGCACACCCTGAATGGCTAGCAGGGCAAAGCATCTG
AATGTGGATCTGAAAGATTTTGTCTGTGATGATTTCTCAAGCCACAGATAAGGACACATCCTGAAACC



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ATAATTGCTCTAAGAGGCATGAATGTGACTCTGACGTGCACTGCAGTGAGCAGCAGTGATTACCCCATG
 TCCACTGTGTGGCGCAAAGACAGTGAAATCCTGTATGACGTGGATACTGAGAATTTTGTTCGTTATTGG
 CAGCAAGCTGGAGAAGCTCTGGAATATACTAGTATCTTACATCTTTTCAATGTGAATTCACAGATGAA
 GGAAAAATACAGTGTATTGTTACTAATCACTTTGGTCTAATTATTCTCAGAAAGCCAACTGACTGTA
 AATGAGATGCCATCTTTTCTGAAAACGCCAATGGATCTGACTATTCGCACTGGTGCCATGGCCAGATTA
 GAATGTGCTGCAGAGGGACACCTGCACCTCAGATTTCTGGCAGAAAGATGGTGGTACTGACTTTTCCT
 GCGGCTCGAGAAAGACGCATGCACGTGATGCCCAGGATGACGTCTTCTTTATTGCCAATGTGAAAAA
 GAAGATATGGGAATCTATAGCTGCATGGCACAAAATACAGCAGGAGGTCTCTCAGCAAAATGCTTCCCTA
 ACAGTGTTAGAGACACCTCATTATTAGACCCCTGGAGGATAAGACAGTAACCCGAGGTGAAACTGCG
 GTGTTACAGTGATAGCTGGAGGGAGTCTGCCCTCGTCTCACTGGACTAAAGATGATGGGCTTTG
 CTGGTGACAGAACGACATTTCTTTGCTGCAGCCAATCAGCTTCTCATCATTGTAGATGCCGGCTAGAA
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 GTCATTTTCATCCCCAATTGTGACTCTCCAGAGTAGCATTGGGCATGAAGATGATGGCTGGACCACA
 GTTGGCATTGTCATCATTGTTGTGGTCTGCTGTGTTGTTGGCACTTCTTTGATCTGGGTCATTGTTATT
 TACCACATGAGAAGGAAAAATGAAGACTATAGTATCACAACACAGAGGAGCTCAATCTGCCTGCAGAC
 ATTTCCAGCTACTTGTCTTCCCAAGGAACGCTGTCTGAGCCACAGGAAGGCTACAGCAACTCTGAGGCA
 GGCAGTCATCAGCAACTTATGCCTCCTGCCAATGGATATATACACAAAGGCACTGACGGTGGCACTGGT
 ACCCGGGTGATTGCTCAGATTGTTATGACAATGCCAACATCTACTCCAGGACCCGAGAATACTGTCCA
 TACACCTATATTGCTGAGGAGGACGTTCTTGATCAGACACTGTCCAGCCTCATGGTCCAAATGCCTAAA
 GAGACATATTTAGTACATCTCTCCCAAGGATACTACTGCCCTAGAGAGCCTGATACCGTCAGCCAACAGA
 GAGCCATCTGCCTTTCCACCAACCATGAGAGGATAAGTGAGAAGAACTTCCCTCCACACAGATGAGC
 GGTGAAACATTGCAGCGGCCCGTGTGGAACATAAACAGAGAACTAGGCCTGCCTCATCTCTCTTTTCC
 CAGCAGCCAGTCCATGAGTCACCACAACCTTCATCAAAATGAGGGCCTGGCAGGAGAGAGCCAGACTGT
 TCTGCTTCTTCCATGTCTGCCACAGTTACAGGATCATGCTTTTGATTTTAGTAGGACTCGGAACATT
 CAAGATGGTAGTGAGGGCACA TGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_014813
Insert Size:	3198 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:	<u>NM_014813.1</u>
RefSeq Size:	4015 bp
RefSeq ORF:	3198 bp
Locus ID:	9860
UniProt ID:	<u>O94898</u>
Cytogenetics:	1p13.2
Domains:	LRRCT, LRR, ig, LRR_TYP, IGc2, IG, LRR_SD22, LRR_PS
Protein Families:	Transmembrane
MW:	119 kDa
Gene Summary:	This gene encodes a transmembrane protein containing leucine-rich repeats and immunoglobulin-like domains. The encoded protein promotes epidermal growth factor signalling, resulting in increased proliferation. Its expression in the cytoplasm of glioma cells is correlated with poor survival. Mutations in this gene can cause urofacial syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015] Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1).