

Product datasheet for **SC305000**

CLSTN2 (NM_022131) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLSTN2 (NM_022131) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLSTN2
Synonyms:	ALC-GAMMA; alcagamma; CDHR13; CS2; CSTN2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_022131 edited
ATGCTGCCTGGGCGGCTGTGCTGGGTGCCGCTCCTGCTGGCGCTGGGCGTGGGGAGCGGC
AGCGGGCGGTGGCGGGGACAGCCGGCAGCGCCGCTCCTCGCGGCTAAAGTCAATAAGCAC
AAGCCATGGATCGAGACTTCATATCATGGAGTCACTAAGTGAACAATGACACAGTCATT
TTGGACCCACCACTGGTAGCCCTGGATAAAGATGCACCGGTTCTTTTGCAGGGGAAATC
TGTGCGTTCAAGATCCATGGCCAGGAGCTGCCCTTTGAGGCTGTGGTGTCAACAAGACA
TCAGGAGAGGGCGGCTCCGTGCCAAGAGCCCCATTGACTGTGAGTTGCAGAAGGAGTAC
ACATTCATCATCCAGGCCTATGACTGTGGTGTGGGCCCCACGAGACAGCCTGGAAAAAG
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ATCACCATGTGGATGAAACACGGCCCCAGCCCTGGTGTGAGAGCCGAGAAGGAAACCATC
CTCTGCAACTCAGACAAAACCGAAATGAACCGGCATCACTATGCCCTGTATGTGCACAAC
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GACAGCGAAGAGGAGGAGGAGGAAGGATGGGCAGAGGCAGACATGGGCAGAATGGA
GCCAGGAAGCCAGCTGGAGTGGGATGACTCCACCCTCCCTACTAG
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_022131 unedited GTTTAGCATTTGTAATACCACTTCACTATNAGGGCGGCCGCGNAATTCATGCTGCCTGGG CGGCTGTGCTGGGTGCCGCTCCTGCTGGCGCTGGGCGTGGGGAGCGGCAGCGCGGTGGC GGGGACAGCCGGCAGCGCCGCTCCTCGCGGCTAAAGTCAATAAGCACAAAGCCATGGATC GAGACTTCATATCATGGAGTCATAACTGAGAACAATGACACAGTCATTTTGGACCCACCA ATGGTAGCCCTGGATAAAGATGCACCGGTTCTTTTGCAGGGGAAATCTGTGCGTTCAAG ATCCATGGCCAGGAGCTGCCCTTTGAGGCTGTGGTGTCTCAACAAGACATCAGGAGAGGGC CGGCTCCGTGCCAAGAGCCCATTTGACTGTGAGTTGCAGAAGGAGTACACATTTCATC CAGGCCTATGACTGTGGTGTGGCCCCACGAGACAGCCTGGA AAAAGTACACAAAGGCC GTGGTCCATATACAGGTGAAGGATGTCAACGAGTTTGTCCCACCTTCAAAGAGCCAGCC TACAAGGCTGTTGTGACGGAGGGCAAGATCTATGACAGCATTCTGCAGGTGGAGGCCATT GACGAGGACTGCTCCCCACAGTACAGCCAGATCTGCAACTATGAAATCGTCACCACAGAT GTGCCCTTTGCCATCGACAGAAATGGCAACATCAAGAACACTGAGAAGCTGAGCTATGAC AAACAACACCAGTATGAGATCCTGGTGACCGCCTACGACTGGGGACAGAAGCCCGCTGCT CAAGACACCCTGGTGCAAGTGGATGTGAAGCCAGTTTGAAGCCTGGCTGGCAAGA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' genomic read for NM_022131 unedited CGTACGCTGGGNAGGCAGTAGTCAATGAGCCAAAGCAGCTCCCATACTTTTGAAGGATT TCTCAGAGTAGTCTCCCGGTCAACAACCCTTCCCATGTAATTAGTCTGCAGCTCTGTGACG ATCTGGAGGGAAGACACGGCTCCATCGCACGTCTCCAGGTGGATGCTGGGGAACAGGGGC ATGCTCCCGGAGCCAGGCTGGTACTCAATCCTCTTGGTCCAGTCTTGCCAGCCAGGCTTG CAAACTGGCTTCACATCCACCTGCACCAGGGTGTCTGAGCAGCGGGCTTCTGTCCACAG TCGTAGCGGTACCAGGATCTCATACTGGTGTGTTTGTGATAGCTCAGCTTCTCAGTG TTCTGATGTTGCCATTTCTGTGATGGCAAAAGGCACATCTGTGGTGACGATTTTCATAG TTGAGATCTGGCTGACTGTGGGGAGCAGTCTCGTCAATGGCCTCCACCTGCAGAATG CTGTGATAGATCTTGCCCTCCGTCAACAAGCCTTGTAGGCTGGCTCTTTGAAGGTGGGA GCAAACCTGTTGACATCCTTACCTGTATATGGACCACGGCCTTGTGTGACTTTTTCCAG GCTGTCTCGTGGGGCCAGCACACAGTCAATAGGCCCTGGATGATGAATGTGACTCCTT CTGCAACTCACAGTCAATGGGGCCTCTTGGCACGGAGCCGGCCCTCTNCTGATGCTTG GTGAGCACCCAGCCTCAAAGGGCAGTCTTGGCCCTGGATCCTGAACGCACAGATTTTC CCTGCAAAAAGAACCCTGTCATCTTTTTCCAGGGCTCCAGTGGTGGGTCCCAAATGACT GGGTCATTGTCTCAGTTATGACTCCCTGAAATGAAAGTCCC</p>
Restriction Sites:	Please inquire
ACCN:	NM_022131
Insert Size:	4800 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:	There are 1 nucleotide differences between the OriGene clone and the NCBI reference ORF. OriGene considers these to be polymorphisms and to reflect the natural differences between individuals. These result in the substitution of 1 amino acid.
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_022131.1](#), [NP_071414.1](#)

RefSeq Size: 4421 bp

RefSeq ORF: 2868 bp

Locus ID: 64084

UniProt ID: [Q9H4D0](#)

Cytogenetics: 3q23

Protein Families: Transmembrane

Gene Summary: May modulate calcium-mediated postsynaptic signals.[UniProtKB/Swiss-Prot Function]