

Product datasheet for **SC303929**

Claudin 17 (CLDN17) (NM_012131) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Claudin 17 (CLDN17) (NM_012131) Human Untagged Clone
Tag:	Tag Free
Symbol:	Claudin 17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_012131 edited ATGGCATTATCCCTTGCAAATTGCTGGGCTGGTTCTTGGGTTCCCTGGCATGGTGGG ACTCTTGCCACAACCCTTCTGCCTCAGTGGAGAGTATCAGCTTTTGGTGGCAGCAACATT ATTGTCTTTGAGAGGCTCTGGGAAGGGCTCTGGATGAATTGCATCCGACAAGCCAGGGTC CGTTGCAATGCAAGTTCTATAGCTCCTTGTGGCTCTCCCGCCTGCCCTGGAAACAGCC CGGGCCCTCATGTGTGGTGTGCTCTCTCCTTGATCGCCCTGCTTATTGGCATCTGT GGCATGAAGCAGGTCCAGTGCACAGGCTCTAACGAGAGGGCCAAAGCATAACCTTCTGGGA ACTTCAGGAGTCTCTTCATCCTGACGGGCATCTTCGTTCTGATTCCGGTGAGCTGGACA GCCAATAAATCATCAGAGATTTCTACAACCCAGCCATCCACATAGGTCAGAAACGAGAG CTGGGAGCAGCACTTTTCTGGCTGGGCAAGCGCTGCTGTCTCTTATTGGAGGGGGT CTGCTTTGTGGATTTTGTGCTGCAACAGAAAGAAGCAAGGGTACAGATATCCAGTGCCT GGCTACCGTGTGCCACACAGATAAGCGAAGAAATACGACAATGCTTAGTAAGACCTCC ACCAGTTATGTCTAA
Restriction Sites:	Please inquire
ACCN:	NM_012131
Insert Size:	700 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.



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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:	<ol style="list-style-type: none">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_012131.1, NP_036263.1</u>
RefSeq Size:	675 bp
RefSeq ORF:	675 bp
Locus ID:	26285
UniProt ID:	<u>P56750</u>
Cytogenetics:	21q21.3
Protein Families:	Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction
Gene Summary:	This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. This gene is intronless and is clustered with CLDN8 on chromosome 21q22.11. [provided by RefSeq, Jun 2010]