

Product datasheet for **SC320930**

Claudin 2 (CLDN2) (NM_020384) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Claudin 2 (CLDN2) (NM_020384) Human Untagged Clone
Tag:	Tag Free
Symbol:	Claudin 2
Synonyms:	OAZON
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_020384 edited
GAGAGAAGTCAGCCTGGCAGAGAGACTCTGAAATGAGGGATTAGAGGTGTTCAAGGAGCA
AGAGCTTCAGCCTGAAGACAAGGGAGCAGTCCCTGAAGACGCTTCTACTGAGAGGCTGC
CATGGCCTCTCTTGGCCTCCAACCTGTGGGCTACATCCTAGGCCTTCTGGGGCTTTTGGG
CACACTGGTTGCCATGCTGCTCCCCAGCTGGAAAACAAGTTCTTATGTCGGTGCCAGCAT
TGTGACAGCAGTTGGCTTCTCCAAGGCCTCTGGATGGAATGTGCCACACACAGCACAGG
CATCACCCAGTGTGACATCTATAGCACCTTCTGGGCCTGCCCGTGACATCCAGGCTGC
CCAGGCCATGATGGTACATCCAGTGAATCTCCTCCCTGGCCTGCATTATCTCTGTGGT
GGGCATGAGATGCACAGTCTTCTGCCAGGAATCCCAGCCAAAGACAGAGTGGCGGTAGC
AGGTGGAGTCTTTTTCATCCTTGGAGGCCTCCTGGGATTCATTCTGTTGCCTGGAATCT
TCATGGGATCCTACGGGACTTCTACTCACCCTGGTGCCTGACAGCATGAAATTTGAGAT
TGGAGAGGCTCTTACTTGGGCATTATTTCTCCCTGTTCTCCCTGATAGCTGGAATCAT
CCTCTGCTTTTCTGCTCATCCCAGAGAAATCGCTCCAACCTACTACGATGCCTACCAAGC
CCAACCTCTTGCCACAAGGAGCTCTCCAAGGCCTGGTCAACCTCCCAAAGTCAAGAGTGA
GTTCAATTCCTACAGCCTGACAGGGTATGTGTGAAGAACCAGGGGCCAGAGCTGGGGGT
GGCTGGTCTGTGAAAACAGTGGACAGCACCCGAGGGCCACAGGTGAGGGACTACC
ACTGGATCGTGTGAGAAGTGTGCTGAGGATAGACTGACTTTGGCCATTGGATTGAGCA
AAGGCAGAAATGGGGCTAGTGTAAACAGCATGCAGTTGAATTGCCAAGGATGCTCGCCA
TGCCAGCCTTTCTGTTTTCTCACCTTGTGCTCCCCTGCCCTAAGTCCCAACCCTCAA
CTTGAACCCCTTCCCTTAAGCCAGGACTCAGAGGATCCCTTTGCCCTCTGGTTTACCT
GGGACTCCATCCCAAAACCCACTAATCACATCCCCTGACTGACCCTCTGTGATCAAAGA
CCCTCTCTGCTGAGGTTGGCTCTTAGCTCATTGCTGGGGATGGGAAGGAGAAGCAGT
GGCTTTTGTGGGCATTGCTCTAACCTACTTCTCAAGCTTCCCTCCAAAGAACTGATTGG
CCCTGGAACCTCCATCCCCTCTTGTATGACTCCACAGTGTCCAGACTAATTTGTGCAT
GAACTGAAATAAAACCATCCTACGGTATCCAGGGAACAGAAAGCAGGATGCAGGATGGGA
GGACAGGAAGGCAGCCTGGGACATTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAA



[View online »](#)

Restriction Sites:	Please inquire
ACCN:	NM_020384
Insert Size:	1600 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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_020384.2.
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_020384.2</u> , <u>NP_065117.1</u>
RefSeq Size:	2959 bp
RefSeq ORF:	693 bp
Locus ID:	9075
UniProt ID:	<u>P57739</u>
Cytogenetics:	Xq22.3
Protein Families:	Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction
Gene Summary:	<p>This gene product belongs to the claudin protein family whose members have been identified as major integral membrane proteins localized exclusively at tight junctions. Claudins are expressed in an organ-specific manner and regulate tissue-specific physiologic properties of tight junctions. This protein is expressed in the intestine. Alternatively spliced transcript variants with different 5' untranslated region have been found for this gene.[provided by RefSeq, Jan 2010]</p> <p>Transcript Variant: This variant represents the predominant transcript. Variants 1-3 encode the same protein.</p>