Recombinant Human CLDN2

Cat. No. CLDN2-26706TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of HumanClaudin 2 with a proprietary tag: predicted molecular weight 31.35 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	52 amino acids
Description	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.
Molecular Weight	31.350kDa inclusive of tags
Biological activity	Useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: Glutathione is reduced

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	SWKTSSYVGASIVTAVGFSKGLWMECATHSTGITQCDIYSTLLGLPADIQAA
Sequence Similarities	Belongs to the claudin family.

GENE INFORMATION

Gene Name	CLDN2 claudin 2 [Homo sapiens]
Official Symbol	CLDN2
Synonyms	CLDN2; claudin 2; claudin-2;
Gene ID	9075
mRNA Refseq	NM_001171092
Protein Refseq	NP_001164563
MIM	300520
Uniprot ID	P57739
Chromosome Location	Xq22.3-q23
Pathway	Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell junction organization, organism-

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	specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem;
Function	identical protein binding; structural molecule activity;

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