

## Recombinant Human CLDN2

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

### SPECIFICATION

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

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<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	SWKTSSYVGASIVTAVGFSKGLWMECATHSTGITQCDIYSTLLGLPADIQAA
<b>Sequence Similarities</b>	Belongs to the claudin family.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">CLDN2 claudin 2 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">CLDN2</a>
<b>Synonyms</b>	CLDN2; claudin 2; claudin-2;
<b>Gene ID</b>	<a href="#">9075</a>
<b>mRNA Refseq</b>	<a href="#">NM_001171092</a>
<b>Protein Refseq</b>	<a href="#">NP_001164563</a>
<b>MIM</b>	<a href="#">300520</a>
<b>Uniprot ID</b>	<a href="#">P57739</a>
<b>Chromosome Location</b>	Xq22.3-q23
<b>Pathway</b>	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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