

Recombinant Human CLDN5 protein, GST-tagged

Cat. No. CLDN5-15H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLDN5(1 a.a. - 218 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-218 a.a.
Description	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. Mutations in this gene have been found in patients with velocardiofacial syndrome. Alternatively spliced transcript variants encoding the same protein have been found for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	49.5 kDa
AA Sequence	MGSAALEILGLVLCLVGWGGILACGLPMWQVTAFLDHNIVTAQTTWKGLWMSCVV QSTGHMQCKVYDSVLALST EVQAARALTVSAVLLAFVALFVTLAGAQCCTTCVAPGP AKARVALTGGVLYLFCGLLALVPLCWFANIVVREFYDP SVPVSQKYELGAALYIGWA ATALLMVGGCLLCGAWVCTGRPDLSFPVKYSAPRRPTATGDYDKKNYV

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CLDN5 claudin 5 [Homo sapiens]
Official Symbol	CLDN5
Synonyms	CLDN5; claudin 5; AWAL, TMVCF, transmembrane protein deleted in velocardiofacial syndrome; claudin-5; BEC1; CPETRL1; TMDVCF; transmembrane protein deleted in VCFS; transmembrane protein deleted in velocardiofacial syndrome; AWAL; TMVCF;
Gene ID	7122
mRNA Refseq	NM_003277
Protein Refseq	NP_003268
MIM	602101
UniProt ID	O00501
Chromosome Location	22q11.21
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; Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Hepatitis C, organism-specific biosystem;

Function

identical protein binding; structural molecule activity;

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