

Recombinant Human CLDN5 Protein, His-tagged, OVA Conjugated

Cat. No. CLDN5-2790H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OVA Conjugated Recombinant Human CLDN5 Protein (Val144-Glu159) fused with a N-His tag.
Species	Human
Source	Protein Conjugation
ProteinLength	Val144-Glu159
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. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16 kDa
Purity	> 90%
Applications	Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
Conjugation	OVA

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_001130861
Protein Refseq	NP_001124333
MIM	602101

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UniProt ID

O00501

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