

Recombinant Mouse Cldn5 Protein, His-tagged, OVA Conjugated

Cat. No. Cldn5-2791M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OVA Conjugated Recombinant Mouse Cldn5 Protein (Arg145-Leu160) fused with a N-His tag.
Species	Mouse
Source	Protein Conjugation
ProteinLength	Arg145-Leu160
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, and also play critical roles in maintaining cell polarity and signal transductions. The protein encoded by this gene is a critical component of endothelial tight junctions that control pericellular permeability. The knockout mice lacking this gene died within 10 h of birth and the blood-brain barrier in these mice against small molecules was selectively affected. This gene is expressed strongly in endothelium of normal lung and plays a regulation role during acrolein-induced acute lung injury.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16 kDa

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Purity	> 90%
Applications	Immunogen; SDS-PAGE; WB.
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 [Mus musculus]
Official Symbol	Cldn5
Synonyms	CLDN5; claudin 5; claudin-5; lung-specific membrane protein; transmembrane protein deleted in VCFS; brain endothelial cell clone 1 protein; MBEC1; Tmvcf; AI854493; MGC102088;
Gene ID	12741
mRNA Refseq	NM_013805

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Protein Refseq	NP_038833
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UniProt ID	O54942
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