Active Recombinant Full Length Human CLDN9 Protein, His-tagged

Cat. No. CLDN9-12HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLDN9 Full Length protein(O95484)(1-217aa)(VLPs), fused with His tag, was expressed in HEK293. Protein was labeled with R-PE in vitro.
Species	Human
Source	HEK293
ProteinLength	1-217aa
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. This protein is one of the entry cofactors for hepatitis C virus. Mouse studies revealed that this gene is required for the preservation of sensory cells in the hearing organ and the gene deficiency is associated with deafness.
Form	PBS buffer
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human CLDN4 at 5μg/mL can bind Anti-CLDN4 recombinant antibody, the EC50 is 29.56-50.75 ng/mL.
Molecular Mass	24.2 kDa

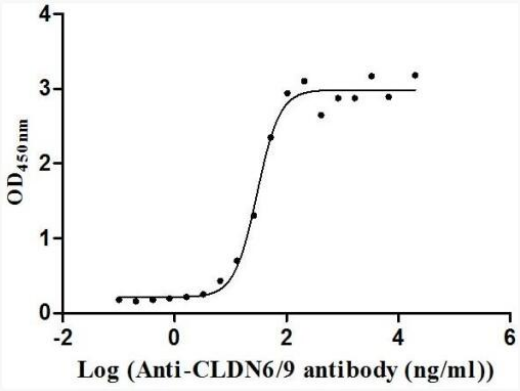
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AA Sequence	MASTGLELLG MTLAVLGWLG TLVSCALPLW KVTAFIGNSI VVAQVVWEGLWMSCVVQSTG QMQCKVYDSL LALPQDLQAA RALCVIALLL ALLGLLVAIT GAQCTTCVED EGAKARIVLT AGVILLLAGI LVLIPVCWTA HAIIQDFYNP LVAEALKREL GASLYLGWAA AALLMLGGGL LCCTCPPPQV ERPRGPRLGY SIPSRSGASG LDKRDYV
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Storage	Store at -20 centigrade upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Concentration	0.83 mg/mL

GENE INFORMATION

Gene Name	CLDN9 claudin 9 [Homo sapiens (human)]
Official Symbol	CLDN9
Synonyms	DFNB116; claudin 9; claudin-9
Gene ID	9080
mRNA Refseq	NM_020982.4
Protein Refseq	NP_066192.1
MIM	615799
UniProt ID	O95484

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Bio-activity	
SDS-PAGE	

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