

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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](#)

SDS-PAGE

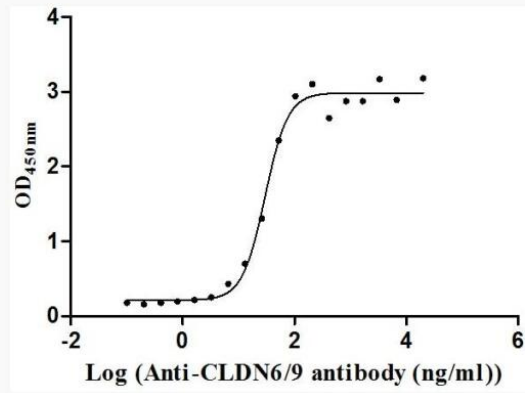
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Bio-activity



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