

Claudin-9 (CLDN9) Recombinant Protein | CLDN9 recombinant protein

Recombinant Human Claudin-9 (CLDN9)-VLPs (Active)

CATALOG # AAA279267	HOST Mammalian cell
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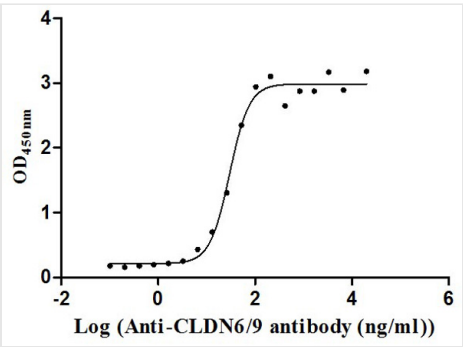
PRODUCT SYNONYMS

Claudin-9 (CLDN9); Recombinant Human Claudin-9 (CLDN9)-VLPs (Active); Claudin-9; CLDN9 recombinant protein

PRODUCT SPECIFICATIONS

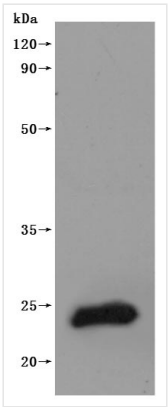
Host	Mammalian cell
Purity/Purification	The purity information is not available for VLPs proteins.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4
Sequence Positions	1-217aa; Full Length
Sequence	MASTGLELLG MTLAVLGWLG TLVSCALPLW KVTAFIGNSI VVAQVVWEGL WMSCVVQSTG QMQCKVYDSL LALPQDLQAA RALCVIALLL ALLGLLVAIT GAQCTTCVED EGAKARIVLT AGVILLAGI LVLIPVCWTA HAIQDFYNP LVAEALKREL GASLYLGWAA AALLMLGGGL LCCTCPPPQV ERPRGPRLGY SIPSRSGASG LDKRDYV
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged (This tag can be tested only under denaturing conditions)
Research Area	CancerLess than 1.0 EU/ug as determined by LAL method.
Transmembrane Domain	4TM
Biological_Activity	Measured by its binding ability in a functional ELISA. Immobilized Human CLDN9 at 10 ug/mL can bind Anti-CLDN6/9 recombinant antibody, the EC50 is 24.93-35.47 ng/mL.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80 degree C. Solubilize for 60 minutes at room temperature with occasional gentle mixing. Avoid vigorous shaking or vortexing. The VLPs are expressed from human 293 cells (HEK293). Mix the sample gently by repeatedly pipetting it up and down. Do not vortex. Repeated freezing and thawing is not recommended. Store the protein at -20 degree C/-80 degree C upon receiving it, and ensure to avoid repeated freezing and thawing, otherwise, it will affect the protein activity. The immunization strategy should be optimized (antigen dose, regimen and adjuvant).

IMAGES



Bioactivity

Activity Measured by its binding ability in a functional ELISA. Immobilized Human CLDN9 at 10 ug/ml can bind Anti-CLDN6/9 recombinant antibody, the EC50 is 24.93-35.47 ng/mL.



Application Data
is detected by Mouse anti-6*His monoclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for CLDN9 recombinant protein	Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.; (Microbial infection) Acts as a receptor for hepatitis C virus (HCV) entry into hepatic cells.
Product Categories/Family for CLDN9 recombinant protein	MP-VLP Transmembrane Protein & Active Protein & In Stock Protein
References	"Claudin association with CD81 defines hepatitis C virus entry."Harris H.J., Davis C., Mullins J.G., Hu K., Goodall M., Farquhar M.J., Mee C.J., McCaffrey K., Young S., Drummer H., Balfe P., McKeating J.A.J. Biol. Chem. 285:21092-21102(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	11141861
NCBI GeneID	9080
NCBI Accession #	NP_066192.1
NCBI GenBank Nucleotide #	NM_020982.3
UniProt Accession #	O95484
Molecular Weight	22,848 Da
NCBI Official Full Name	claudin-9
NCBI Official Synonym Full Names	claudin 9
NCBI Official Symbol	CLDN9
NCBI Protein Information	claudin-9
UniProt Protein Name	Claudin-9
UniProt Gene Name	CLDN9
UniProt Entry Name	CLD9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.