

Claudin-18 (Cldn18) Recombinant Protein | Cldn18 recombinant protein

Recombinant Mouse Claudin-18 (Cldn18)-VLPs (Active)

CATALOG # AAA279262	HOST Mammalian cell
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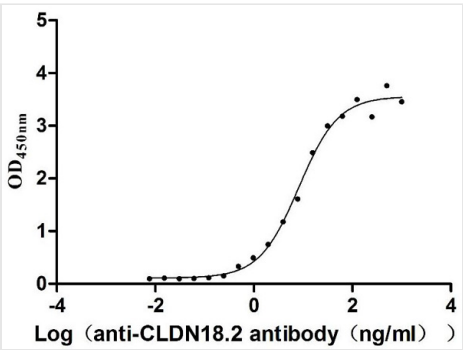
PRODUCT SYNONYMS

Claudin-18 (Cldn18); Recombinant Mouse Claudin-18 (Cldn18)-VLPs (Active); Claudin-18; Cldn18 recombinant protein

PRODUCT SPECIFICATIONS

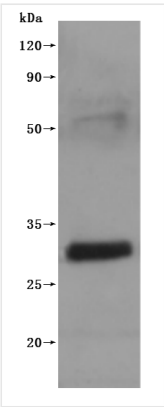
Host	Mammalian cell
Purity/Purification	The purity information is not available for VLPs proteins.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4
Sequence Positions	1-264aa of Isoform A2.1; Full Length of Isoform A2.1
Sequence	MSVTACQGLG FVVSLIGFAG IIAATCMDQW STQDLYNNPV TAVFNYQGLW RSCVRESSGF TECRGYFTLL GLPAMLQAVR ALMIVGIVLG VIGILVSIFA LKCIRIGSMD DSAKAKMTLT SGILFIISGI CAIGVSVFA NMLVTNFWMS TANMYSGMGG MGGMVQTVQT RYTFGAALFV GWVAGGLTLI GGVMCCIACR GLTPDDSNFK AVSYHASGQN VAYRPGGFKA STGFGSNTRN KKIYDGGART EDDEQSHPTK YDYV
Species	Mus musculus (Mouse)
Tag	N-terminal 6xHis-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 Mouse Cldn18 at 5 ug/mL can bind Anti-CLDN18.2 recombinant antibody, the EC50 is 6.115-11.01 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 Mouse Cldn18 at 5 ug/ml can bind Anti-CLDN18.2 recombinant antibody, the EC50 is 6.115-11.01 ng/mL.



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

ADDITIONAL INFORMATION

Related Product Information for Cldn18 recombinant protein	Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.
Product Categories/Family for Cldn18 recombinant protein	MP-VLP Transmembrane Protein & Active Protein & In Stock Protein
References	"Claudin 18 is a novel negative regulator of bone resorption and osteoclast differentiation."Linares G.R., Brommage R., Powell D.R., Xing W., Chen S.T., Alshbool F.Z., Lau K.H., Wergedal J.E., Mohan S.J Bone Miner Res 27:1553-1565(2012)

NCBI AND UNIPROT INFORMATION

NCBI GI #	302699188
NCBI GeneID	56492
NCBI Accession #	NP_001181850.1
NCBI GenBank Nucleotide #	NM_001194921.1
UniProt Accession #	P56857; Q91ZY9; Q91ZZ0; Q91ZZ1
Molecular Weight	28,122 Da
NCBI Official Full Name	claudin-18 isoform A2.1
NCBI Official Synonym Full Names	claudin 18
NCBI Official Symbol	Cldn18
NCBI Protein Information	claudin-18
UniProt Protein Name	Claudin-18
UniProt Gene Name	Cldn18
UniProt Entry Name	CLD18_MOUSE

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.