

Claudin-4 (CLDN4) Recombinant Protein | CLDN4 recombinant protein

Recombinant Human Claudin-4 (CLDN4)-VLPs (Active)

CATALOG # AAA279264	HOST Mammalian cell
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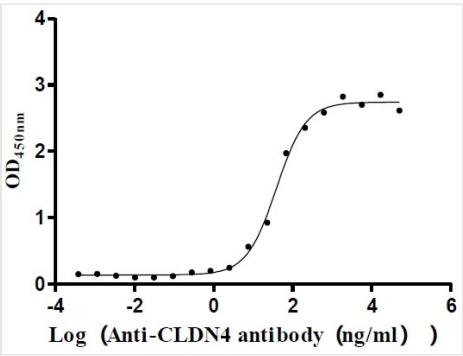
PRODUCT SYNONYMS

Claudin-4 (CLDN4); Recombinant Human Claudin-4 (CLDN4)-VLPs (Active); Clostridium perfringens enterotoxin receptor; CPE-R; CPE-receptor; Williams-Beuren syndrome chromosomal region 8 protein; CLDN4 recombinant protein

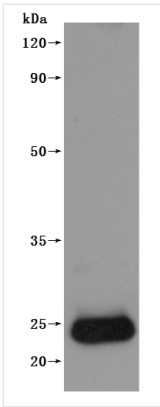
PRODUCT SPECIFICATIONS

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	1-209aa; Full Length
Sequence	MASMLQVMG IALAVLGWLA VMLCCALPMW RVTAFIGSNI VTSQTIWEGL WMNCVVQSTG QMQCKVYDSL LALPQDLQAA RALVIISIIV AALGVLLSVV GKGCTNCLED ESAKAKTMIV AGVVFLLAGL MVIVPVSMTA HNIIQDFYNP LVASGQKREM GASLYVGWAA SGLLLLGGGL LCCNCPPTD KPYSAKYSAA RSAAASNYV
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 CLDN4 at 5 ug/mL can bind Anti-CLDN4 recombinant antibody, the EC50 is 29.56-50.75 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 CLDN4 at 5 ug/ml can bind Anti-CLDN4 recombinant antibody, the EC50 is 29.56-50.75 ng/mL.



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

ADDITIONAL INFORMATION

Related Product Information for CLDN4 recombinant protein	Channel-forming tight junction protein that mediates paracellular chloride transport in the kidney. Plays a critical role in the paracellular reabsorption of filtered chloride in the kidney collecting ducts. Claudins play a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.
Product Categories/Family for CLDN4 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 #	4502877
NCBI GeneID	1364
NCBI Accession #	NP_001296.1
NCBI GenBank Nucleotide #	NM_001305.3
UniProt Accession #	O14493
Molecular Weight	22,077 Da
NCBI Official Full Name	claudin-4
NCBI Official Synonym Full Names	claudin 4
NCBI Official Symbol	CLDN4
NCBI Official Synonym Symbols	CPER; CPE-R; CPETR; CPETR1; WBSR8; hCPE-R
NCBI Protein Information	claudin-4; CPE-receptor; Clostridium perfringens enterotoxin receptor 1; Williams-Beuren syndrome chromosomal region 8 protein
UniProt Protein Name	Claudin-4
UniProt Gene Name	CLDN4
UniProt Synonym Gene Names	CPER; CPETR1; WBSR8; CPE-R
UniProt Entry Name	CLD4_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.

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Online datasheet: <https://stage.aaabiotech.com/cldn4-recombinant-protein-mammalian-cell/279264>