

Claudin-3 (CLDN3) Recombinant Protein | CLDN3 recombinant protein

Recombinant Human Claudin-3 (CLDN3)-VLPs (Active)

CATALOG # AAA279263	HOST Mammalian cell
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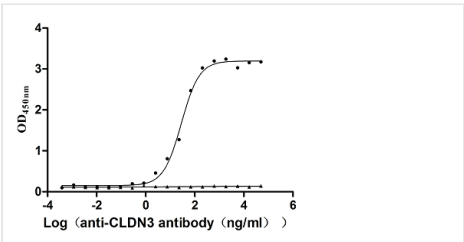
PRODUCT SYNONYMS

Claudin-3 (CLDN3); Recombinant Human Claudin-3 (CLDN3)-VLPs (Active); Clostridium perfringens enterotoxin receptor 2; CPE-R 2; CPE-receptor 2; Rat ventral prostate.1 protein homolog; hRVP1; CLDN3 recombinant protein

PRODUCT SPECIFICATIONS

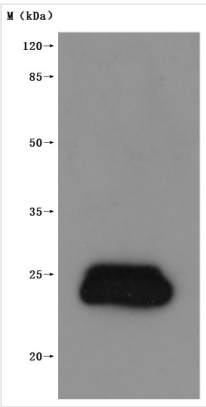
Host	Mammalian cell
Purity/Purification	The purity information is not available for VLPs proteins.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4
Sequence Positions	1-220aa; Full Length
Sequence	MSMGLEITGT ALAVLGWLTG IVCCALPMWR VSAFIGSNII TSQNIWEGLW MNCVVQSTGQ MQCKVYDSSL ALPQDLQAAR ALIVVAILLA AFGLLVALVG AQCTNCVQDD TAKAKITIVA GVLFLAALL TLVPVSWSAN TIIRDFYNPV VPEAQKREMG AGLYVGWAAA ALQLLGALL CCSCPPREKK YTATKVVYSA PRSTGPGASL GTGYDRKDYV
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged (This tag can be tested only under denaturing conditions)
Research Area	Cancer & Signal TransductionLess 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 CLDN3 at 10 ug/mL can bind Anti-CLDN3 recombinant antibody, the EC50 is 23.62-34.37 ng/mL.VLPs is negative control.
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 CLDN3 at 10ug/mL can bind Anti-CLDN3 recombinant antibody, the EC50 is 23.62-34.37 ng/mL. VLPs is negative control.



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

ADDITIONAL INFORMATION

Related Product Information for CLDN3 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 CLDN3 recombinant protein	MP-VLP Transmembrane Protein & Active Protein & In Stock Protein
References	"Altered expression of claudin-3 and claudin-4 in ectopic endometrium of women with endometriosis."Pan X.Y., Li X., Weng Z.P., Wang B.Fertil Steril 91:1692-1699(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502875
NCBI GeneID	1365
NCBI Accession #	NP_001297.1
NCBI GenBank Nucleotide #	NM_001306.3
UniProt Accession #	O15551
Molecular Weight	23,319 Da
NCBI Official Full Name	claudin-3
NCBI Official Synonym Full Names	claudin 3
NCBI Official Symbol	CLDN3
NCBI Official Synonym Symbols	RVP1; HRVP1; C7orf1; CPE-R2; CPETR2
NCBI Protein Information	claudin-3; CPE-R 2; CPE-receptor 2; ventral prostate.1-like protein; ventral prostate.1 protein homolog; Clostridium perfringens enterotoxin receptor 2
UniProt Protein Name	Claudin-3
UniProt Gene Name	CLDN3
UniProt Synonym Gene Names	C7orf1; CPETR2; CPE-R 2; CPE-receptor 2; hRVP1
UniProt Entry Name	CLD3_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.

