

Claudin-6 (CLDN6) Recombinant Protein | CLDN6 recombinant protein

Recombinant Human Claudin-6 (CLDN6)-VLPs, Fluorescent (Active)

CATALOG # AAA279265	HOST Mammalian cell
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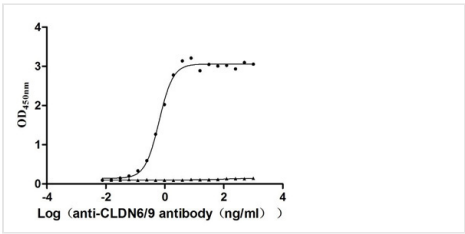
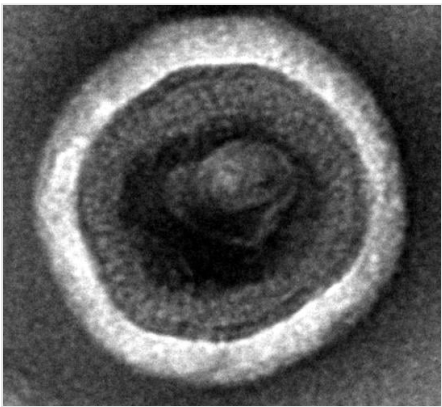
PRODUCT SYNONYMS

Claudin-6 (CLDN6); Recombinant Human Claudin-6 (CLDN6)-VLPs; Fluorescent (Active); UNQ757; PRO1488; CLDN6 recombinant protein

PRODUCT SPECIFICATIONS

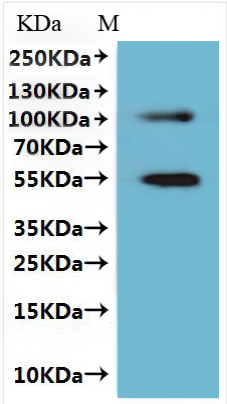
Host	Mammalian cell
Purity/Purification	The purity information is not available for VLPs proteins.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4
Sequence Positions	1-220aa; Full Length
Sequence	MASAGMQILG VVLTLLGWVN GLVSCALPMW KVTAFIGNSI VVAQVVWEGL WMSCVVQSTG QMQCKVYDSL LALPQDLQAA RALCVIALLV ALFGLLVYLA GAKCTTCVEE KDSKARLVLT SGIVFVISGV LTLIPVCWTA HAIIRDFYNP LVAEAQKREL GASLYLGWAA SGLLLGGGL LCCTCPSGGS QGPSHYMARY STSAPAISRG PSEYPTKNYV
Species	Homo sapiens (Human)
Tag	C-terminal GFP-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 CLDN6 at 10 ug/mL can bind Anti-CLDN6/9 recombinant antibody, the EC50 is 0.5574-0.7361 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
Measured by its binding ability in a functional ELISA. Immobilized Human CLDN6 at 10 ug/mL can bind Anti-CLDN6/9 recombinant antibody , the EC50 is 0.5574-0.7361 ng/mL.

Application Data
The presence of VLP-like structures was confirmed by TEM.



Application Data
is detected by Mouse anti-6*His monoclonal antibody. The two bands respectively correspond to monomer, Homodimer.

ADDITIONAL INFORMATION

Related Product Information for CLDN6 recombinant protein	Plays a major role in tight junction-specific obliteration of the intercellular space.(Microbial infection) Acts as a receptor for hepatitis C virus (HCV) entry into hepatic cells.
Product Categories/Family for CLDN6 recombinant protein	MP-VLP Transmembrane Protein & Active Protein & In Stock Protein
References	"The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment."Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D.T., Brush J., Chen J., Chow B., Chui C., Gray A.M.Genome Res. 13:2265-2270 (2003)"Complete sequencing and characterization of 21,243 full-length human cDNAs."Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Sugano S.Nat. Genet. 36:40-45 (2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	153792768
NCBI GeneID	9074
NCBI Accession #	NP_067018.2
NCBI GenBank Nucleotide #	NM_021195.4
UniProt Accession #	P56747; B3KQP9; D3DUA5
Molecular Weight	23,292 Da

NCBI Official Full Name	claudin-6
NCBI Official Synonym Full Names	claudin 6
NCBI Official Symbol	CLDN6
NCBI Protein Information	claudin-6; skullin
UniProt Protein Name	Claudin-6
UniProt Gene Name	CLDN6
UniProt Entry Name	CLD6_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/cldn6-recombinant-protein-mammalian-cell/279265>