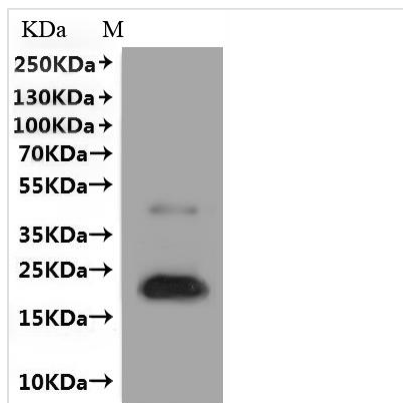


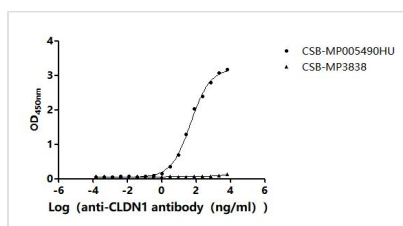


# Recombinant Human Claudin-1 (CLDN1)-VLPs (Active)

<b>Product Code</b>	CSB-MP005490HU
<b>Abbreviation</b>	Recombinant Human CLDN1 protein-VLPs (Active)
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	O95832
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm sterile filtered PBS, 6% Trehalose, pH 7.4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Human CLDN1 at 10 μg/mL can bind Anti-CLDN1 recombinant antibody (CSB-RA005490MA1HU). The EC50 is 35.03-50.71 ng/mL. The VLPs (CSB-MP3838) is negative control.
<b>Purity</b>	≥ 95% as determined by SEC-HPLC.
<b>Sequence</b>	MANAGLQLLGFILAFILGWIGAIIVSTALPQWRIYSYAGDNIVTAQAMYEGLWMS CVSQSTGQIQCKVFDSELLNLSSTLQATRALMVVGILLGVIAIFVATVGMKCMKC LEDDEVQKMRMAVIGGAIFLLAGLAILVATAWYGNRIVQEFYDPMTPVNARYEF GQALFTGWAAASLCLLGGALLCCSCPRKTTTSYPTPRYPKPAPSSGKDYV
<b>Source</b>	Mammalian cell
<b>Target Names</b>	CLDN1
<b>Expression Region</b>	1-211aa
<b>Notes</b>	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°C/-80°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).
<b>Tag Info</b>	C-terminal 10xHis-tagged
<b>Mol. Weight</b>	24.1 kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	

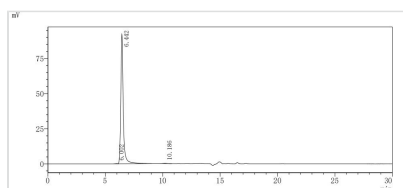


CSB-MP005490HU is detected by Mouse anti-6\*His monoclonal antibody.



#### Activity

Measured by its binding ability in a functional ELISA. Immobilized Human CLDN1 at 10  $\mu$ g/ml can bind Anti-CLDN1 recombinant antibody (CSB-RA005490MA1HU). The  $EC_{50}$  is 35.03-50.71 ng/mL. The VLPs (CSB-MP3838) is negative control.



The purity of VLPs was greater than 95% as determined by SEC-HPLC

#### Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

#### Reconstitution

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. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

#### Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.