

## Claudin-1 Protein-VLP, Human, Recombinant (His)

### General Information

Synonyms:	Claudin-1;SEMP1;CLDN1;Senescence-associated epithelial membrane protein;CLD1
Protein Construction:	1-211 aa
Species:	Human
Expression Host:	HEK293 Cells
Accession:	O95832
Molecular Weight:	24.1 kDa (Predicted)
AA Sequence:	MANAGLQLLGFILAFILGWIGAIIVSTALPQWRIYSYAGDNIVTAQAMYEGLWMSCVSQSTGQIQCKVFDLLNL SSTLQATRALMVVIGILLGVIAIFVATVGMKCMKCLEDEDEVQKMRMAVIGGAIFFLLAGLAILVATAWYGNRIVQE FYDPMPVFNARYEFGQALFTGWAAASLCLLGGALLCCSCPRKTTSYPTPRPYPKPAPSSGKDYY

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it.
Purity:	The purity information is not available for VLPs proteins.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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