

Active Recombinant Human CLDN18 protein

Cat. No. CLDN18-059H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLDN18 protein(Met 1 - Val 261) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met 1 - Val 261
Form	The VLPs are highly immunogenic, so the immunization strategy should be optimized (antigen dose, regimen and adjuvant).Supplied as 0.2 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Fluorescent Human Claudin-18.2 Full Length Protein-VLP (HEK293) at 5 µg/mL (100 µL/well) can bind Monoclonal Anti-Chimeric Claudin-18.2 Antibody, Human IgG1 with a linear range of 0.1-3 ng/mL.
Molecular Mass	This protein carries a GFP tagVirus-like particles(VLPs) are formed by self-assembly of envelop/capsid proteins from viruses. Membrane Proteins can be constituted in-situ with VLPs produced from HEK293 cell cultures. These VLPs concentrate conformationally intact membrane proteins directly on the cell surface and produce soluble, high-concentration proteins perfect for immunization and antibody screening. The VLPs provide the display of properly folded membrane proteins in their native cellular membrane in a compact size of 100~300 nm diameter (similar to the size of most viruses) making it optimal targets for dendritic cells in vivo and surface attachment for phage display.

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Endotoxin	Less than 1.0 EU per μg by the LAL method.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 $\mu\text{g}/\mu\text{l}$. Centrifuge the vial at 4°C before opening to recover the entire contents.

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