

VLP Control

Cat. No. VLP-HM00C



Description

Source Recombinant VLP Control is expressed from HEK293. VLP Control is formed by self-assembly of envelop/capsid proteins from viruses, which is pure viral protein particle structure without the displayed proteins. VLP Control can be used as isotype control for VLPs displaying multiple transmembrane proteins in various applications.

Endotoxin Less than 1 EU per μg by the LAL method.

Purity >95% as determined by HPLC

Formulation and Storage

Formulation Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g/ml}$ is recommended. Dissolve the lyophilized protein in distilled water.

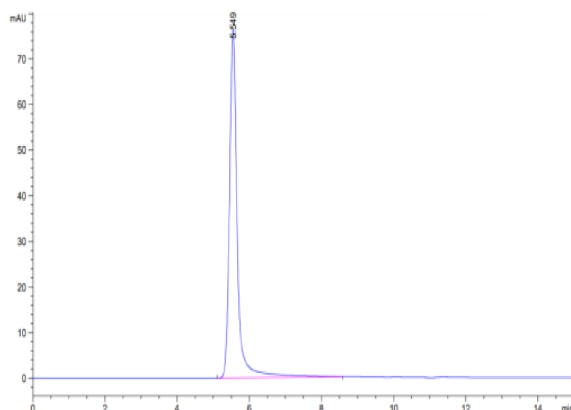
Storage -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

VLPs are formed by spontaneous interaction between one or more viral structural capsid proteins to form the final structure. VLPs are structurally and visually similar to live viruses but lack either a complete virus genome or lack the entire virus genome. The envelop VLP control is pure viral protein particle structure without the displayed proteins, which can be used as control for the activity assay of the envelope VLP display proteins.

Assay Data

SEC-HPLC



The purity of VLP Control is greater than 95% as determined by SEC-HPLC.