

Biotinylated VLP Control



Cat. No. GPR-HM05CB

Description

|           |                                                                                                                                                                                                                                                                                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source    | Recombinant Biotinylated VLP Control is expressed from HEK293. Biotinylated VLP Control is pure biotinylated viral protein particle structure without the displayed proteins. Biotinylated VLP Control can be used as isotype control for VLPs displaying membrane proteins in various applications (It may have cross reaction with anti-His antibody). |
| Endotoxin | Less than 1 EU per µg by the LAL method.                                                                                                                                                                                                                                                                                                                 |
| Purity    | > 90% as determined by HPLC                                                                                                                                                                                                                                                                                                                              |

Formulation and Storage

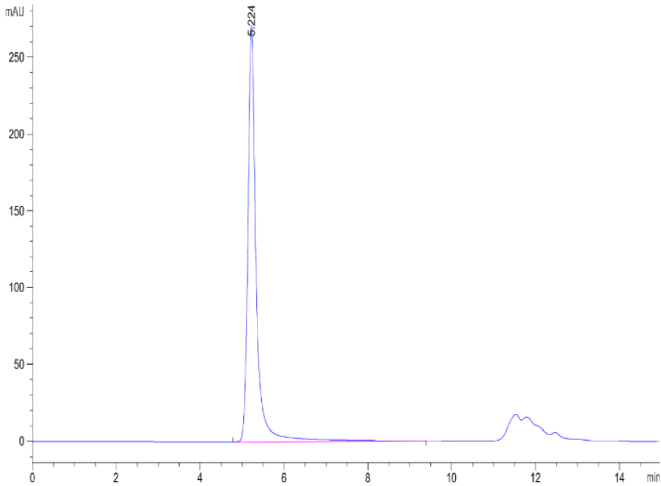
|             |                                                                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation | Supplied as 0.22 µm filtered solution in PBS, 300mM L-arginine (pH 7.4).                                                                                                         |
| Storage     | Valid for 12 months from date of receipt when stored at -80°C. 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 Biotinylated VLP Control is greater than 90% as determined by SEC-HPLC.