

Biotinylated Human GLP-1R VLP

Cat. No. GLP-HM00VB



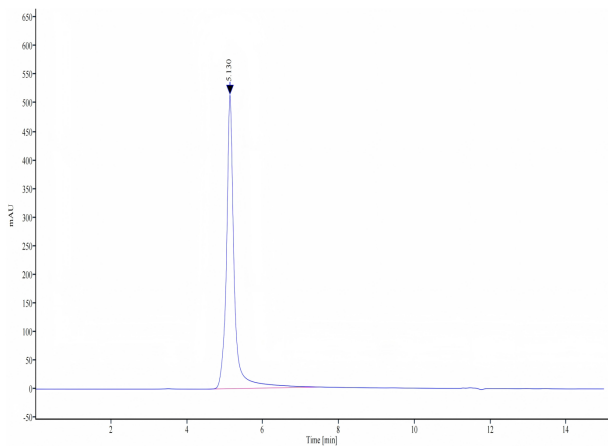
Description	
Source	Recombinant Biotinylated Human GLP-1R VLP is expressed from HEK293. It contains Met1-Ser463.
Accession	P43220
Molecular Weight	The target protein has a predicted MW of 54.03 kDa.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by HPLC

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	
Glucagon-like peptide-1 receptor (GLP-1R) is a critical therapeutic target for type 2 diabetes mellitus (T2DM). GLP-1R emerged as an important pharmacological target for addressing T2DM, as it actively contributes to maintaining glucose homeostasis while promoting both β cell proliferation and insulin release. The impact of GLP-1R agonists such as semaglutide extends beyond diabetes control: they play a multifaceted role in regulating blood glucose levels by reducing hunger, moderating food intake, and managing body weight. Notably, GLP-1R agonists inhibit cancer progression in some malignant tumors.	

Assay Data

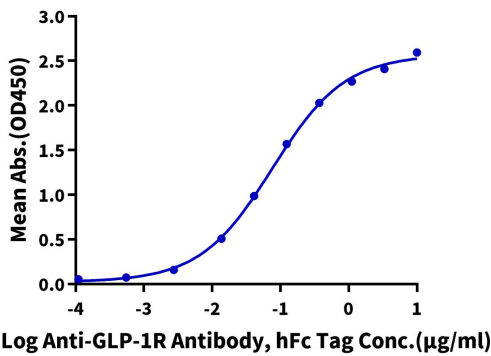
SEC-HPLC



The purity of Biotinylated Human GLP-1R VLP is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human GLP-1R VLP ELISA
0.5µg Biotinylated Human GLP-1R VLP Per Well



Immobilized Biotinylated Human GLP-1R VLP at 5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-GLP-1R Antibody, hFc Tag with the EC50 of 76.5ng/ml determined by ELISA.