

Human GPR75 VLP

Cat. No. GPR-HM00V



Description

Source	Recombinant Human GPR75 VLP is expressed from HEK293.
	It contains Met1-Val540 (It may have cross reaction with anti-His antibody).
Accession	O95800
Molecular Weight	The target protein has a predicted MW of 89.57 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). Notice: If you need it for immunization, water-soluble adjuvant is recommended.
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.

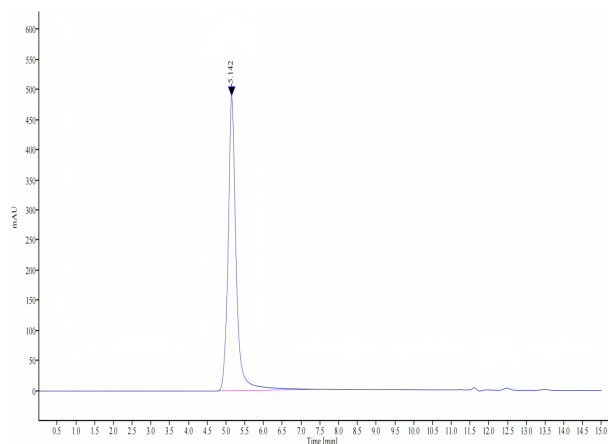
Background

G protein-coupled receptor 75 (GPR75), a novel member of the rhodopsin-like G protein-coupled receptor (GPCR) family, has been identified across various tissues and organs, where it contributes to biological regulation and disease progression.

GPR75 might interact with the C-C motif chemokine ligand 5 (CCL5, also known as RANTES), influencing nervous system functions. GPR75 may also bind to 20-hydroxyeicosatetraenoic acid (20-HETE), a metabolite of cytochrome P450 (CYP450) enzymes, highlighting its roles in the nervous, cardiovascular, and endocrine systems and its potential involvement in neurodegenerative diseases, hypertension, and metabolic syndrome.

Assay Data

SEC-HPLC

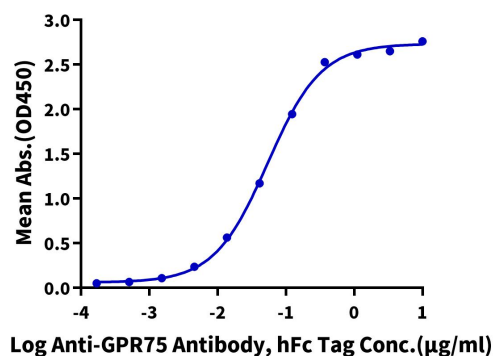


The purity of Human GPR75 VLP is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human GPR75 VLP ELISA

0.5µg Human GPR75 VLP Per Well



Immobilized Human GPR75 VLP at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-GPR75 Antibody, hFc Tag with the EC₅₀ of 54.2ng/ml determined by ELISA.