

Human MRGPRX2 VLP

Cat. No. MR2-HM00V

Description

Source	Recombinant Human MRGPRX2 VLP is expressed from HEK293. It contains Met1-Val330 (It may have cross reaction with anti-His antibody).
Accession	Q96LB1
Molecular Weight	The target protein has a predicted MW of 40.31 kDa.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by HPLC

Formulation and Storage

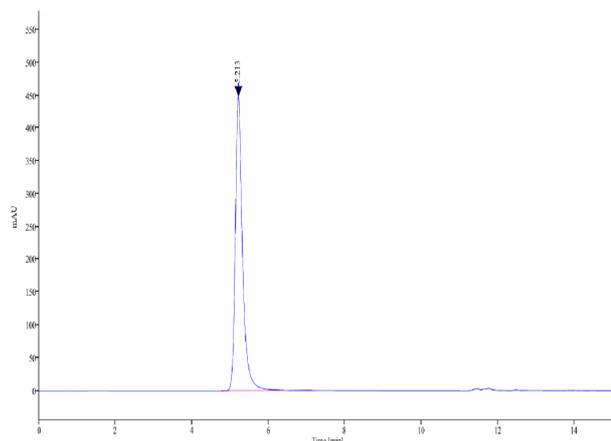
Formulation	Supplied as 0.22 μm filtered solution in PBS, 300mM L-arginine (pH 7.4). Notice: If you need it for immunization, water-soluble adjuvant is recommended.
Storage	Valid for 12 months from date of receipt when stored at -80°C . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

As receptor for multiple drugs, MRGPRX2 is crucial to drug-induced hypersensitivity. However, not only drugs, but also endogenous mediators like neuropeptides and host defense peptides activate MRGPRX2, suggesting its broad impact in cutaneous pathophysiology.

Assay Data

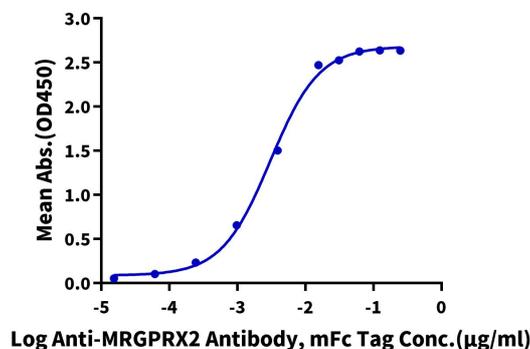
SEC-HPLC



The purity of Human MRGPRX2 VLP is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human MRGPRX2 VLP ELISA
0.2 μg Human MRGPRX2 VLP Per Well



Immobilized Human MRGPRX2 VLP at 2 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the plate. Dose response curve for Anti-MRGPRX2 Antibody, mFc Tag with the EC50 of 3.0ng/ml determined by ELISA.