Human SLC2A4 VLP

Cat. No. SLC-HM00V

Description

Source	Recombinant Human SLC2A4 VLP is expressed from HEK293.
	It contains Met1-Asp509 (It may have cross reaction with anti-His antibody).
Accession	P14672-1
Molecular Weight	The target protein has a predicted MW of 58.0 kDa.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by HPLC

Formulation and Storage

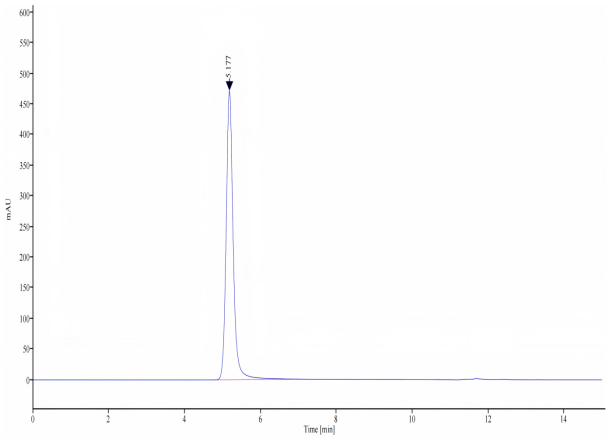
Formulation	Supplied as 0.22 μm filtered solution in PBS, 300mM L-arginine (pH 7.4). Notice: If you need it for immunization, water-soluble adjuvant is recommended.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal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

Background

SLC2A4 (GLUT4) is an insulin-responsive glucose transporter mainly expressed in muscle and adipose tissues. Its unique feature is insulin-regulated translocation to the plasma membrane, which determines cellular glucose uptake. Defects in this process are a key molecular basis of insulin resistance and type 2 diabetes.

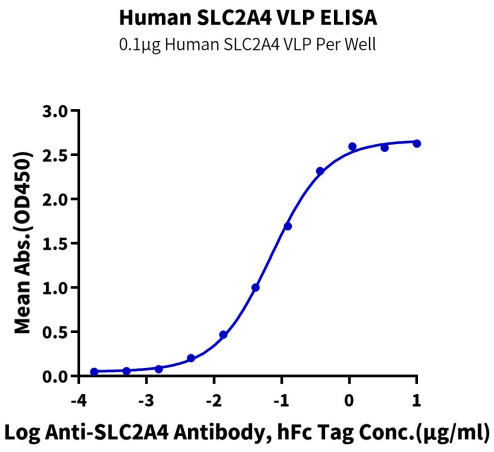
Assay Data

SEC-HPLC



The purity of Human SLC2A4 VLP is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human SLC2A4 VLP at 1μg/ml (100μl/well) on the plate. Dose response curve for Anti-SLC2A4 Antibody, hFc Tag with the EC50 of 69.6ng/ml determined by ELISA.