

Human LIV-1/SLC39A6 Protein

Cat. No. LIV-HM201

Description

Source	Recombinant Human LIV-1/SLC39A6 Protein is expressed from HEK293 with hFc tag at the C-terminus. It contains Phe29-Trp325.
Accession	Q13433-1
Molecular Weight	The protein has a predicted MW of 60.39 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μ g by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Supplied as 0.22 μ m filtered solution in PBS (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

Zinc transporter ZIP6 (SLC39A6) or LIV-1 is a protein that belongs to a subfamily of proteins group that displays structural specifications of zinc transporters in the cell membrane. Overexpression of this protein is observed in breast, prostate, and kidney tumor cells. Lately, LIV-1 is a dependable marker for detection of estrogen receptor positive breast cancer, which can be used to detect luminal breast cancer type A.

Assay Data

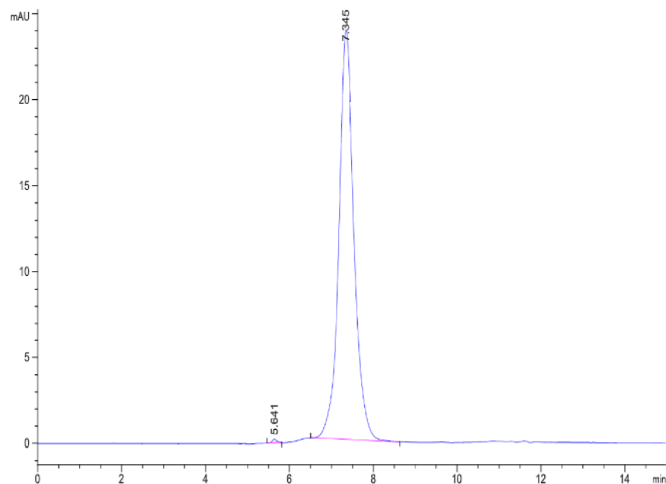
Bis-Tris PAGE



Human LIV-1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

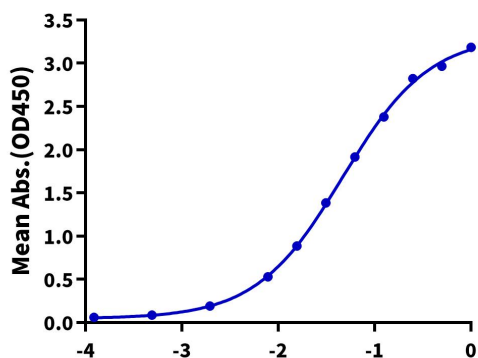
Assay Data



The purity of Human LIV-1 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human LIV-1, hFc Tag ELISA
0.2µg Human LIV-1, hFc Tag Per Well



Immobilized Human LIV-1, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-LIV-1 Antibody, hFc Tag with the EC50 of 46.7ng/ml determined by ELISA.