

Synonym

SLC39A6,LIV-1,ZIP6,Zinc transporter ZIP6,ZIP-6

Source

Human LIV-1 (229-325) Protein, Fc Tag(LV1-H5257) is expressed from human 293 cells (HEK293). It contains AA Lys 229 - Trp 325 (Accession # [Q13433-1](#)). Predicted N-terminus: Lys 229

Molecular Characterization

LIV1(Lys 229 - Trp 325) Q13433-1	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus

The protein has a calculated MW of 37.4 kDa. The protein migrates as 50-55 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.1 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

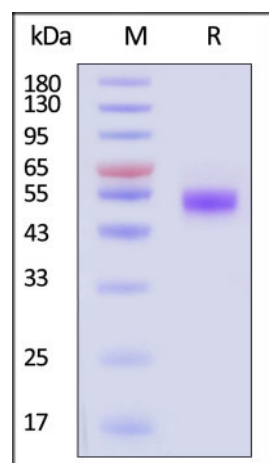
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

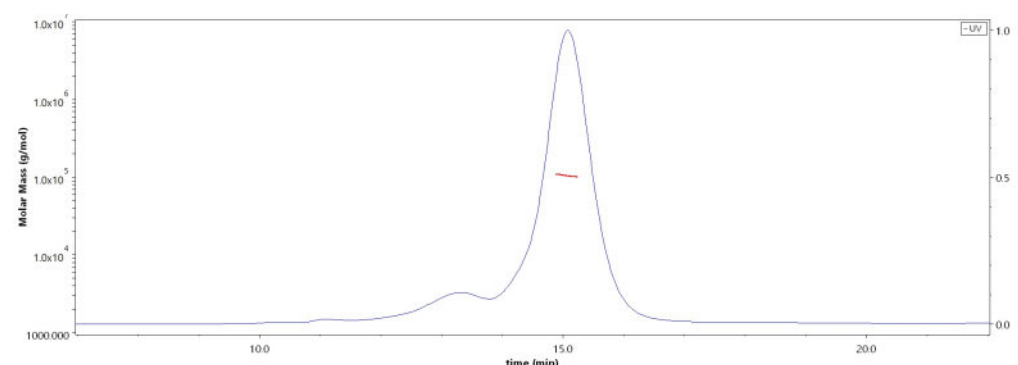
Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

Human LIV-1 (229-325) Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS

The purity of Human LIV-1 (229-325) Protein, Fc Tag (Cat. No. LV1-H5257) is more than 85% and the molecular weight of this protein is around 95-115 kDa verified by SEC-MALS.

[Report](#)

Background

LIV-1 is also known as SLC39A6, ZIP-6 and Zinc transporter ZIP6. May act as a zinc-influx transporter. Highly expressed in the breast, prostate, placenta, kidney, pituitary and corpus callosum. Weakly expressed in heart and intestine. Also highly expressed in cells derived from an adenocarcinoma of the cervix and lung carcinoma. Up-regulated by estrogen in breast cancer cells lines.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.