Mouse LIV-1 / SLC39A6 (C153A, C300A) Protein, His Tag (MALS verified)

Catalog # LV1-M52H4

Synonym

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

Source

Mouse LIV-1 (C153A, C300A), His Tag(LV1-M52H4) is expressed from human 293 cells (HEK293). It contains AA Leu 21 - Trp 335 (Accession # Q8C145-1 (C153A, C300A)).
Predicted N-terminus: Leu 21

Molecular Characterization

This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 37.7 kDa. The protein migrates as 64-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 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

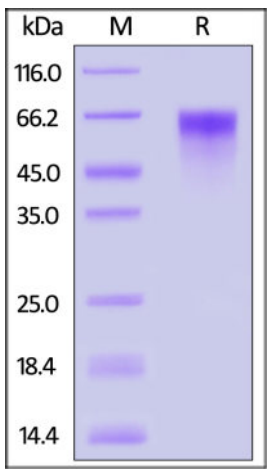
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

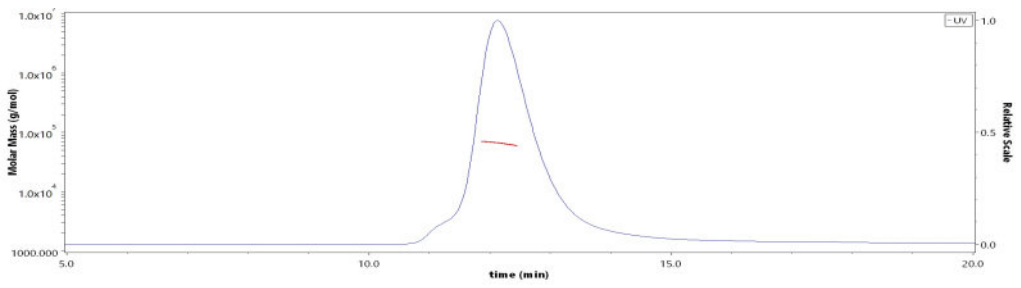
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Mouse LIV-1 (C153A, C300A), His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

SEC-MALS



The purity of Mouse LIV-1 (C153A, C300A), His Tag (Cat. No. LV1-M52H4) is more than 90% and the molecular weight of this protein is around 55-70 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.