

SLC39A6/LIV-1 Protein, Human, Recombinant (His)

General Information

Synonyms:	Solute carrier family 39 member 6; Estrogen-regulated protein LIV-1; LIV1; Zinc transporter ZIP6; ZIP6; Zrt- and Irt-like protein 6 (ZIP-6); SLC39A6
Protein Construction:	29-325 aa
Species:	Human
Expression Host:	Baculovirus Insect Cells
Accession:	Q13433
Molecular Weight:	35.0 kDa (predicted)
AA Sequence:	FPQTTEKISPNWESGINVDLAISTRQYHLQQLFYRYGENNSLSVEGFRKLLQNIQIDKIKRIHIHHDHHDHSDH EHSDHERHSDHEHHSEHEHSDHDHSHHNHAASGKNKRKALCPDHSDSSGKDPNRSQKGAHRPE HASGRRNVKDSVSASEVTSTVYNTVSEGTHTFLETIETPRPGKLFKPKDVSSSTPPSVTSKSRVSRLAGRKTNESV SEPRKGFMYSRNTNENPQECFNASKLLTSHGMGIQVPLNATEFNLYLCPAIIQNIDARSCLIHTSEKKAIEIPPKTY SLQIAW

QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized Human SLC39A6 at 1 µg/mL can bind Anti- SLC39A6 recombinant antibody, the EC50 is 0.6873-0.9010 ng/mL.
Purity:	> 95% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

A DRUG SCREENING EXPERT

May act as a zinc-influx transporter.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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