Genomeditech (Shanghai) Co.,Ltd.
Order: 021-68455258/50432826/50432825
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Human SLC39A6(LIV-1) Protein; His Tag

Product Information

Product Name	Human SLC39A6(LIV-1) Protein; His Tag
Storage temp	Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	**GM-88227RP-100 / 100 μg** **GM-88227RP-1000 / 1 mg**

Protein Information

Alternative Names	SLC39A6, LIV-1, ZIP6, Zinc transporter ZIP6, ZIP-6
Source	Human SLC39A6(LIV-1) Protein; His Tag (GM-88227RP) is expressed from human 293 cells (HEK-293). It contains AA Phe 29 - Trp 325 (Accession # Q13433-1). This protein carries a His tag at the C-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Predicted Mol Mass	34.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	SLC39A6 (ZIP6) is a member of the ZIP family of metal ion transporters. It mediates Zn^{2+} uptake, maintaining Zinc homeostasis across tissues. As a transmembrane protein, ZIP6 facilitates Zinc influx from outside to the cytosol, influencing many Zinc -dependent enzymes and TFs. ZIP6 expression is tissue-specific and modulated by development and stress, contributing to proliferation, differentiation, and epithelial–mesenchymal transition (EMT) in some contexts. SLC39A6 links Zn^{2+} signaling to cellular responses, affecting growth, differentiation, and apoptosis via Zinc-dependent modulation of signaling proteins and TFs. It has been associated with STAT, MAPK, and β-catenin pathways, driven by intracellular Zinc changes. By altering Zinc availability, ZIP6 modulates Zinc-finger TFs and Zinc-dependent enzymes, impacting gene programs and downstream outcomes such as development and cancer signaling.

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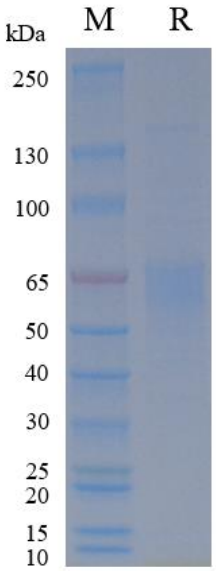
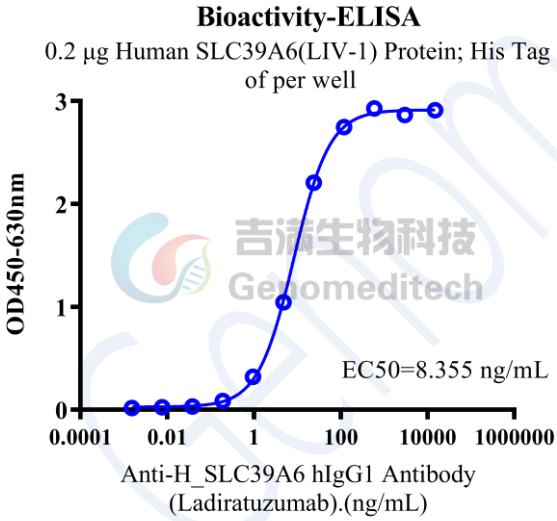
SDS-PAGE

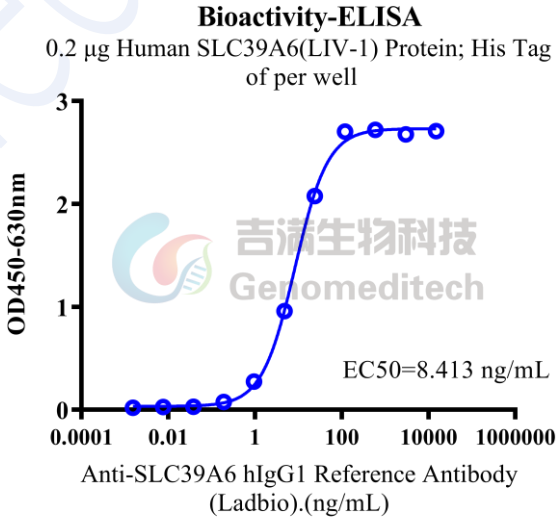


On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA



Human SLC39A6(LIV-1) Protein; His Tag (Catalog # GM-88227RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-H_SLC39A6 hIgG1 Antibody(Ladiratuzumab) (Catalog # GM-26839AB) were added.



Human SLC39A6(LIV-1) Protein; His Tag (Catalog # GM-88227RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-SLC39A6 hIgG1 Reference Antibody (Ladbio) (Catalog # GM-87101MAB) were added.