

SLC39A6/LIV-1 Active Protein | SLC39A6 active protein

SLC39A6/LIV-1 Protein, Cynomolgus, Recombinant (His Tag)

CATALOG #
AAA258266

HOST
HEK293 Cells

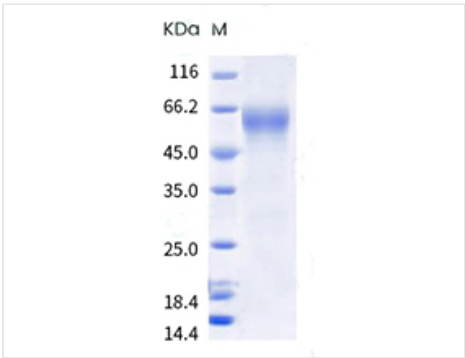
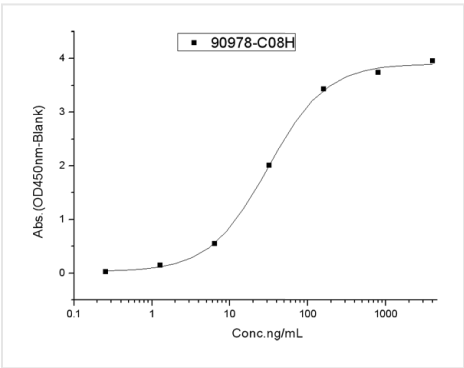
PRODUCT SYNONYMS

SLC39A6/LIV-1; SLC39A6/LIV-1 Protein; Cynomolgus; Recombinant (His Tag); Cynomolgus SLC39A6 Protein (His Tag); solute carrier family 39 member 6; SLC39A6 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Met1-Gln308
Species	Cynomolgus
Endotoxin	<1.0EU per ug protein as determined by the LAL method.
Predicted N Terminal	Leu 21
Tag	C-His
Protein Construction	A DNA sequence encoding the cynomolgus SLC39A6 (A0A2K5WH46-1)(Met1-Gln308) was expressed with a polyhistidine tag at the C-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Activity	Immobilized Cynomolgus SLC39A6/LIV-1 His at 2ug/mL (100uL/well) can bind Rabbit Anti-SLC39A6/LIV-1 Antibody. The EC50 of Rabbit Anti-SLC39A6/LIV-1 Antibody is 15-100ng/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.

IMAGES



SDS-PAGE

Application Data
Immobilized Cynomolgus SLC39A6/LIV-1 His at 2 ug/mL (100 uL/well) can bind Rabbit Anti-SLC39A6/LIV-1 Antibody, the EC50 of Rabbit Anti-SLC39A6/LIV-1 Antibody is 15-100 ng/mL.

ADDITIONAL INFORMATION

Related Product Information for SLC39A6 active protein	Background: Along with the SLC30 family, SLC39 family members regulate zinc movement in cells. SLC39 metal ion transporters accumulate zinc into the cytosol. SLC39A6, also known as LIV-1, belongs to a new subfamily of Zrt, Irt-like protein zinc transporters (LZTs). It is involved in maintaining the intracellular homeostasis of zinc, an ion that is essential in the control of cellular growth and differentiation. SLC39A6 plays a critical role in maintaining zinc homeostasis, and was originally identified as an estrogen-induced gene in a breast cancer cell line. Generally, elevated SLC39A6 expression is reportedly related to cancer progression in other various types of cancer, including breast, prostate, pancreatic, cervical and liver cancers.
References	Cui XB, et al. (2015) Slc39a6: A potential target for diagnosis and therapy of esophageal carcinoma. J Transl Med 13 321.

NCBI AND UNIPROT INFORMATION

Molecular Weight	The recombinant cynomolgus SLC39A6 consists of 299 amino acids and predicts a molecular mass of 34kDa.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-cells-active-protein/slc39a6-liv-1/258266>