

Recombinant Human SLC39A4 Protein, His&SUMO-tagged

Cat. No. SLC39A4-1233H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC39A4 Protein (Ser23-Tyr327) with His&SUMO tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser23-Tyr327
Description	This gene encodes a member of the zinc/iron-regulated transporter-like protein (ZIP) family. The encoded protein localizes to cell membranes and is required for zinc uptake in the intestine. Mutations in this gene result in acrodermatitis enteropathica. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 45.5 kDa; Accurate Molecular Mass: 46 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is

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less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

SLC39A4 solute carrier family 39 member 4 [Homo sapiens (human)]

Official Symbol

SLC39A4

Synonyms

SLC39A4; solute carrier family 39 member 4; AEZ; ZIP4; AWMS2; zinc transporter ZIP4; solute carrier family 39 (zinc transporter), member 4; zrt- and Irt-like protein 4

Gene ID

55630

mRNA Refseq

NM_001280557

Protein Refseq

NP_001267486

MIM

607059

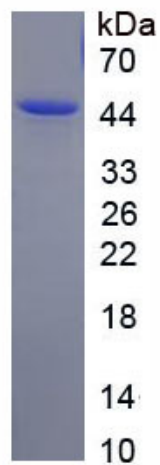
UniProt ID

Q9NX22

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