

Recombinant Mouse Slc39a4 Protein, His-tagged

Cat. No. Slc39a4-2074M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Slc39a4 Protein (Arg23-Tyr337) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Arg23-Tyr337
Description	Enables zinc ion transmembrane transporter activity. Acts upstream of or within cellular response to zinc ion starvation; cellular zinc ion homeostasis; and zinc ion transport. Located in apical plasma membrane and endosome. Is expressed in several structures, including alimentary system; early embryo; extraembryonic component; genitourinary system; and integumental system. Used to study acrodermatitis enteropathica. Human ortholog(s) of this gene implicated in acrodermatitis enteropathica. Orthologous to human SLC39A4 (solute carrier family 39 member 4).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 37.8 kDa Accurate Molecular Mass: 41 kDa
Purity	> 90%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Slc39a4 solute carrier family 39 (zinc transporter), member 4 [Mus musculus (house mouse)]
Official Symbol	Slc39a4
Synonyms	SLC39A4; solute carrier family 39 (zinc transporter), member 4; zinc transporter ZIP4; ZIP-4; mAWMS2; zrt- and Irt-like protein 4; activated in W/Wv mouse stomach 2; solute carrier family 39 member 4; ZIP4; AWMS2; AU041686; 1600025H15Rik;
Gene ID	72027
mRNA Refseq	NM_028064
Protein Refseq	NP_082340

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

Q78IQ7

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA