

Recombinant Rat Slc39a4 Protein, His-tagged

Cat. No. Slc39a4-2075R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Slc39a4 Protein (Val22-Tyr334) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Val22-Tyr334
Description	Predicted to enable zinc ion transmembrane transporter activity. Predicted to be involved in cellular zinc ion homeostasis and zinc ion import across plasma membrane. Predicted to act upstream of or within cellular response to zinc ion starvation and zinc ion transport. Predicted to be located in apical plasma membrane and endosome. Predicted to be integral component of plasma membrane. 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: 37.7 kDa Accurate Molecular Mass: 40 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Slc39a4
Synonyms	SLC39A4; solute carrier family 39 (zinc transporter), member 4; zinc transporter ZIP4; ZIP-4; zrt- and Irt-like protein 4; solute carrier family 39 member 4; MGC156705;
Gene ID	300051
mRNA Refseq	NM_001077669
Protein Refseq	NP_001071137
UniProt ID	A0JPN2

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