

Recombinant Mouse Slc30a3 Protein, His&GST-tagged

Cat. No. Slc30a3-2072M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Slc30a3 Protein (Leu285-Ala388) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu285-Ala388
Description	Predicted to enable zinc ion transmembrane transporter activity. Involved in zinc ion import into synaptic vesicle. Acts upstream of or within positive regulation of transport. Located in hippocampal mossy fiber and synaptic vesicle membrane. Is active in glutamatergic synapse and hippocampal mossy fiber to CA3 synapse. Is integral component of synaptic vesicle membrane. Is expressed in several structures, including brain; metanephros; olfactory nerve; and spinal cord mantle layer. Orthologous to human SLC30A3 (solute carrier family 30 member 3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.5 kDa Accurate Molecular Mass: 42 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 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

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	Slc30a3 solute carrier family 30 (zinc transporter), member 3 [Mus musculus (house mouse)]
Official Symbol	Slc30a3
Synonyms	SLC30A3; solute carrier family 30 (zinc transporter), member 3; zinc transporter 3; znT-3; solute carrier family 30 member 3; Znt3;
Gene ID	22784
mRNA Refseq	NM_011773
Protein Refseq	NP_035903
UniProt ID	P97441

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