

## Recombinant Mouse Slc44a4 Protein, His-tagged

Cat. No. Slc44a4-2077M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Slc44a4 Protein (Trp54-Trp227) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Trp54-Trp227
<b>Description</b>	Enables thiamine pyrophosphate transmembrane transporter activity. Involved in thiamine pyrophosphate transmembrane transport. Predicted to be located in apical plasma membrane. Predicted to be active in plasma membrane. Is expressed in embryo. Human ortholog(s) of this gene implicated in autosomal dominant nonsyndromic deafness 72. Orthologous to human SLC44A4 (solute carrier family 44 member 4).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 22.9 kDa Accurate Molecular Mass: 23 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	Slc44a4 solute carrier family 44, member 4 [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Slc44a4
<b>Synonyms</b>	Slc44a4; solute carrier family 44, member 4; NG22; mTPPT1; 2210409B01Rik; choline transporter-like protein 4; thiamine pyrophosphate transporter 1
<b>Gene ID</b>	70129
<b>mRNA Refseq</b>	NM_023557
<b>Protein Refseq</b>	NP_076046
<b>UniProt ID</b>	Q91VA1

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