

Recombinant Mouse Slc44a4 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Slc44a4 Protein (Trp54-Trp227) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Trp54-Trp227
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.9 kDa Accurate Molecular Mass: 23 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	Slc44a4 solute carrier family 44, member 4 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Slc44a4
Synonyms	Slc44a4; solute carrier family 44, member 4; NG22; mTPPT1; 2210409B01Rik; choline transporter-like protein 4; thiamine pyrophosphate transporter 1
Gene ID	70129
mRNA Refseq	NM_023557
Protein Refseq	NP_076046
UniProt ID	Q91VA1

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