

Recombinant Rat Slc44a4 Protein, His-tagged

Cat. No. Slc44a4-868R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Slc44a4 Protein (Trp54-Trp227) with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Trp54-Trp227
Description	Predicted to enable choline transmembrane transporter activity and thiamine pyrophosphate transmembrane transporter activity. Predicted to be involved in several processes, including acetylcholine biosynthetic process; organic cation transport; and sensory organ development. Predicted to be located in apical plasma membrane. Predicted to be active in plasma membrane. 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: 22.8 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>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Slc44a4
Synonyms	Slc44a4; solute carrier family 44, member 4; Ng22; choline transporter-like protein 4; thiamine pyrophosphate transporter 1
Gene ID	294255
mRNA Refseq	NM_212541
Protein Refseq	NP_997706
UniProt ID	Q6MG71

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