

Recombinant Mouse Slc25a19 Protein, His-tagged

Cat. No. Slc25a19-401M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Slc25a19 Protein (Met1-Arg318) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Arg318
Description	Predicted to enable thiamine transmembrane transporter activity. Predicted to be involved in thiamine pyrophosphate transmembrane transport. Located in mitochondrion. Is expressed in central nervous system; embryo; retina inner nuclear layer; retina layer; and retina outer nuclear layer. Human ortholog(s) of this gene implicated in inherited metabolic disorder and microcephaly. Orthologous to human SLC25A19 (solute carrier family 25 member 19).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.3 kDa Accurate Molecular Mass: 37 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, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.
GENE INFORMATION	
Gene Name	Slc25a19 solute carrier family 25 (mitochondrial thiamine pyrophosphate carrier), member 19 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Slc25a19
Synonyms	SLC25A19; solute carrier family 25 (mitochondrial thiamine pyrophosphate carrier), member 19; mitochondrial thiamine pyrophosphate carrier; solute carrier family 25 member 19; solute carrier family 25 (mitochondrial deoxynucleotide carrier), member 19; DNC; TPC; MUP1; 2900089E13Rik
Gene ID	67283
mRNA Refseq	NM_001252384
Protein Refseq	NP_001239313
UniProt ID	Q9DAM5

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