

Recombinant Mouse Tars2 Protein, His-tagged

Cat. No. Tars2-2112M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tars2 Protein (Cys486-Phe723) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Cys486-Phe723
Description	Predicted to enable aminoacyl-tRNA editing activity; protein homodimerization activity; and threonine-tRNA ligase activity. Predicted to be involved in threonyl-tRNA aminoacylation. Predicted to act upstream of or within translation. Located in mitochondrion. Human ortholog(s) of this gene implicated in combined oxidative phosphorylation deficiency 21. Orthologous to human TARS2 (threonyl-tRNA synthetase 2, mitochondrial).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.5 kDa Accurate Molecular Mass: 34 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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Tars2 threonyl-tRNA synthetase 2, mitochondrial (putative) [Mus musculus (house mouse)]
Official Symbol	Tars2
Synonyms	TARS2; threonyl-tRNA synthetase 2, mitochondrial (putative); threonine--tRNA ligase, mitochondrial; thrRS; threonyl-tRNA synthetase-like 1; threonyl-tRNA synthetase, mitochondrial; Tarsl1; AI429208; 2610024N01Rik;
Gene ID	71807
mRNA Refseq	NM_001163617
Protein Refseq	NP_001157089

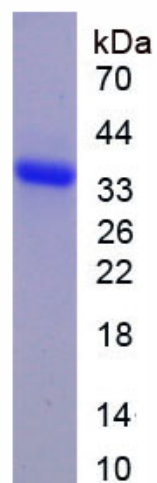
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UniProt ID

Q3UQ84



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