

Recombinant Human TARS2 Protein, His-tagged

Cat. No. TARS2-2750H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TARS2 Protein (Thr449-Phe718) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Thr449-Phe718
Description	This gene encodes a member of the class-II aminoacyl-tRNA synthetase family. The encoded protein is a mitochondrial aminoacyl-tRNA synthetase. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 4.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.2 kDa Accurate Molecular Mass: 35 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%
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) [Homo sapiens (human)]
Official Symbol	TARS2
Synonyms	TARS2; threonyl-tRNA synthetase 2, mitochondrial (putative); TARSL1, threonyl tRNA synthetase like 1; threonine--tRNA ligase, mitochondrial; FLJ12528; threonine tRNA ligase 2; mitochondrial; thrRS; threonyl-tRNA synthetase-like 1; threonine tRNA ligase 2, mitochondrial; threonyl-tRNA synthetase, mitochondrial; TARSL1;
Gene ID	80222
mRNA Refseq	NM_025150
Protein Refseq	NP_079426

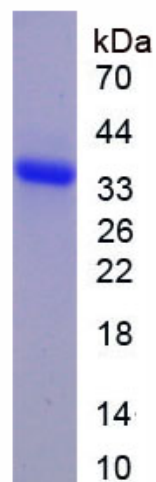
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MIM	612805
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UniProt ID	Q9BW92
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