

Recombinant Human TARS, His-tagged

Cat. No. TARS-3115H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TARS protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	394-723aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	TARS threonyl-tRNA synthetase [Homo sapiens]
Official Symbol	TARS
Synonyms	TARS; threonyl-tRNA synthetase; threonine--tRNA ligase, cytoplasmic; threonine tRNA ligase 1; cytoplasmic; threonine tRNA ligase 1, cytoplasmic; threonyl-tRNA synthetase, cytoplasmic; ThrRS; MGC9344;

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Gene ID	6897
mRNA Refseq	NM_152295
Protein Refseq	NP_689508
MIM	187790
UniProt ID	P26639
Chromosome Location	5p13.2
Pathway	Aminoacyl-tRNA biosynthesis, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, conserved biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, conserved biosystem; Cytosolic tRNA
Function	ATP binding; ligase activity; nucleotide binding; protein homodimerization activity; threonine-tRNA ligase activity; threonine-tRNA ligase activity;