

Recombinant Human TARS, His-tagged

Cat. No. TARS-30151TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TARS is a glycosylated, polypeptide chain produced in SF9 and expressed with a 6xHis tag, 83 kDa.
Species	Human
Description	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution.
Conjugation	HIS
Biological activity	TARS-30151TH binds IgG human auto antibodies and is reactive with Polymyositis sera.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 200mM Sodium chloride, 20mM HEPES, pH 8
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequence	Belongs to the class-II aminoacyl-tRNA synthetase family.

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Similarities

Full Length Full L.

GENE INFORMATION

Gene Name TARS threonyl-tRNA synthetase [Homo sapiens]

Official Symbol TARS

Synonyms TARS; threonyl-tRNA synthetase; threonyl-tRNA synthetase, cytoplasmic; threonine tRNA ligase 1; cytoplasmic;

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 aminoacylation, organism-specific biosystem;

Function ATP binding; ligase activity; nucleotide binding; protein homodimerization activity;

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threonine-tRNA ligase activity;

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