

Recombinant Human TARS2, His-tagged

Cat. No. TARS2-30152TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 172-371 of Human TARS2, with N terminal His tag, 200 amino acids, MWt 23kDa,
Species	Human
Source	E.coli
ProteinLength	172-371 a.a.
Description	TARS2 is a Threonyl-tRNA synthetase, catalysing the reaction: ATP + L-threonine + tRNA(Thr) = AMP + diphosphate + L-threonyl-tRNA.
Conjugation	HIS
Form	Lyophilised:Reconstitution with 84 µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	TIRGSELPVLERICQELTAAARPFRRLEASRDQLRQLFKD NPFKLHLIEEKVTGPTAT VYGCGTLVDLCQGPHLRHTG QIGGLKLLSNSSSLWRSSGAPETLQRVSGISFPTTE LLRV WEAWREEAELRDHRRIGKEQELFFFHELSPGSCFFLPR GTRVYNALVAFIRA EYAHRGFSEVKTPTLFSTKLWEQSGH WEHY

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GENE INFORMATION

Gene Name	TARS2 threonyl-tRNA synthetase 2, mitochondrial (putative) [Homo sapiens]
Official Symbol	TARS2
Synonyms	TARS2; threonyl-tRNA synthetase 2, mitochondrial (putative); TARSL1, threonyl tRNA synthetase like 1; threonyl-tRNA synthetase, mitochondrial; FLJ12528; threonine tRNA ligase 2; mitochondrial;
Gene ID	80222
mRNA Refseq	NM_025150
Protein Refseq	NP_079426
MIM	612805
Uniprot ID	Q9BW92
Chromosome Location	1q21.2
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; Gene Expression, organism-specific biosystem;
Function	ATP binding; ligase activity; molecular_function; nucleotide binding; threonine-tRNA ligase activity;

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