

Recombinant Human WARS2 Protein, His-tagged

Cat. No. WARS2-160H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human WARS2, transcript variant 1, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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. Two forms of tryptophanyl-tRNA synthetase exist, a cytoplasmic form, named WARS, and a mitochondrial form, named WARS2. This gene encodes the mitochondrial tryptophanyl-tRNA synthetase. Two alternative transcripts encoding different isoforms have been described.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	37.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	WARS2 tryptophanyl tRNA synthetase 2, mitochondrial [Homo sapiens]
Official Symbol	WARS2
Synonyms	WARS2; tryptophanyl tRNA synthetase 2, mitochondrial; tryptophan--tRNA ligase, mitochondrial; TrpRS; tryptophan tRNA ligase 2; mitochondrial; (Mt)TrpRS; tryptophan-tRNA ligase; tryptophan tRNA ligase 2, mitochondrial; tryptophanyl-tRNA synthetase, mitochondrial;
Gene ID	10352
mRNA Refseq	NM_015836
Protein Refseq	NP_056651
MIM	604733
UniProt ID	Q9UGM6

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