

Recombinant Human WARS Protein, His-tagged

Cat. No. WARS-165H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human WARS, transcript variant 1, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	<p>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. Tryptophanyl-tRNA synthetase (WARS) catalyzes the aminoacylation of tRNA(trp) with tryptophan and is induced by interferon. Tryptophanyl-tRNA synthetase belongs to the class I tRNA synthetase family. Four transcript variants encoding two different isoforms have been found for this gene.</p>
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	53.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name WARS tryptophanyl-tRNA synthetase [Homo sapiens]

Official Symbol WARS

Synonyms WARS; tryptophanyl-tRNA synthetase; IFI53; tryptophan--tRNA ligase, cytoplasmic; IFP53; tryptophan tRNA ligase 1; cytoplasmic; hWRS; trpRS; interferon-induced protein 53; tryptophan tRNA ligase 1, cytoplasmic; GAMMA-2;

Gene ID 7453

mRNA Refseq NM_004184

Protein Refseq NP_004175

MIM 191050

UniProt ID P23381

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