

Recombinant Human WARS1 Protein (Phe247-Lys458), N-His tagged

Cat. No. WARS1-5488H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human WARS1 (Phe247-Lys458) fused with the N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe247-Lys458
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. 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.
Form	Lyophilized powder/frozen liquid
Molecular Mass	26.27 kDa
Purity	> 90 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	0.01M PBS, pH 7.4, 0.02 % NLS
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.
GENE INFORMATION	
Gene Name	WARS1 tryptophanyl-tRNA synthetase 1 [Homo sapiens (human)]
Official Symbol	WARS1
Synonyms	WARS1; tryptophanyl-tRNA synthetase 1; HMN9; WARS; HMND9; IFI53; IFP53; GAMMA-2; NEDMSBA; tryptophan--tRNA ligase, cytoplasmic; epididymis secretory sperm binding protein; hWRS; interferon-induced protein 53; trpRS; tryptophan tRNA ligase 1, cytoplasmic; EC 6.1.1.2
Gene ID	7453
mRNA Refseq	NM_004184
Protein Refseq	NP_004175
MIM	191050

 Tel: 1-631-559-9269 1-516-512-3133

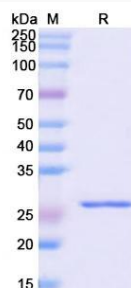
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

P23381

SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA