

Recombinant Human WARS Protein (Phe247-Lys458), His tagged

Cat. No. WARS-6570H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human WARS (Phe247-Lys458) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe247-Lys458
Description	Isoform 1, isoform 2 and T1-TrpRS have aminoacylation activity while T2-TrpRS lacks it. Isoform 2, T1-TrpRS and T2-TrpRS possess angiostatic activity whereas isoform 1 lacks it. T2-TrpRS inhibits fluid shear stress-activated responses of endothelial cells. Regulates ERK, Akt, and eNOS activation pathways that are associated with angiogenesis, cytoskeletal reorganization and shear stress-responsive gene expression.
Form	Lyophilized powder/frozen liquid
Molecular Mass	24.04 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.

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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	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
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	WARS tryptophanyl-tRNA synthetase [Homo sapiens (human)]
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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