

Recombinant Mouse Wars Protein, Myc/DDK-tagged

Cat. No. Wars-6961M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse tryptophanyl-tRNA synthetase (Wars), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	T1-TrpRS has aminoacylation activity while T2-TrpRS lacks it. T1-TrpRS and T2-TrpRS possess angiostatic activity. 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.
Molecular Mass	53.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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



GENE INFORMATION

Gene Name Wars tryptophanyl-tRNA synthetase [*Mus musculus* (house mouse)]

Official Symbol Wars

Synonyms WARS; tryptophanyl-tRNA synthetase; tryptophan--tRNA ligase, cytoplasmic; tryptophanyl-tRNA synthetase, cytoplasmic; WRS; TrpRS

Gene ID 22375

mRNA Refseq NM_001164488

Protein Refseq NP_001157960

UniProt ID P32921

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