

Product datasheet for TP507621

Wars (NM_001164488) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse tryptophanyl-tRNA synthetase (Wars), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207621 protein sequence Red =Cloning site Green =Tags(s)

MADMPSGESCTSPLELFNSIATQGELVRSKAGNAPKDEIDSAVKMLLSLKMSYKAAMGEEYKAGCPPGN
PTAGRNCSDATKASEDFVDPWTARTSSAKGIDYDKLIVQFGSSKIDKELINRIERATGQRPHRFLRRGI
FFSHRDMNQILDAYENKKPFYLYTGRGPSSEAMHLGHLVPIFTKWLQDVFNVPLVIQMSDDEKYLWKDL
TLEQAYSYTVENAKDIIACGFDINKTFIFSDLEYMGQSPGFYRNVVKIQKHVTFNQVKIGFIFTDSDCIG
KISFPAVQAAPSFNSFPKIFRDRTDIQCLIPCAIDQDPYFRMTRDVAPRIGHPKPALLHSTFFPALQGA
QTKMSASDPNSSIFLTDATAKQIKSVNKHAFSGGRDVEEHRQFGGNCEVDVFSMYLTFLEDDDRLEQI
RKDYTSGAMLTGELKKTLDVQLPLIAEHQARRKAVTEETVKEFMTPRQLSFHFQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	53.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001157960
Locus ID:	22375



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UniProt ID: [P32921](#), [Q3U6U7](#)

RefSeq Size: 2764

Cytogenetics: 12 F1

RefSeq ORF: 1428

Synonyms: TrpRS; WRS

Summary: 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 (By similarity).
[UniProtKB/Swiss-Prot Function]