

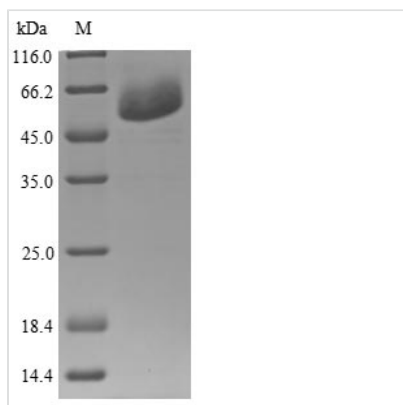


# Recombinant Human Tryptophan--tRNA ligase, cytoplasmic (WARS)

<b>Product Code</b>	CSB-YP025965HU
<b>Relevance</b>	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.
<b>Abbreviation</b>	Recombinant Human WARS protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P23381
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 85% as determined by SDS-PAGE.
<b>Sequence</b>	PNSEPASLLELFNSIATQGELVRSCLKAGNASKDEIDSAVKMLVSLKMSYKAAAG EDYKADCPPGNPAPTSNHGPDATEAEEDFVDPWTVQTSSAKGIDYDKLIVRF GSSKIDKELINRIERATGQRPHHFLRRGIFFSHRDMNQVLDAYENKKPFYLYTG RGPSSSEAMHVGHLIPFIFTKWLQDVFNVPLVIQMTDDEKYLWKDLTLDQAYSY AVENAKDIIACGFDINKTFIFSDLDYMGMSGGFYKNVVKIQKHVTFNQVKGIFGF TSDDCIGKISFPAIQAAPSFSNSFPQIFRDRTDIQCLIPCAIDQDPYFRMTRDVA PRIGYPKALLHSTFFPALQGAQTKMSASDPNSSIFLTDTAKQIKTKVNKHAFS GGRDTEEHRQFGGNCDVDVSFMYLTFLEDDDKLEQIRKDYTSGAMLTGELK KALIEVLQPLIAEHQARRKEVTDEIVKEFMTPRKLSFDFQ
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Source</b>	Yeast
<b>Target Names</b>	WARS
<b>Protein Names</b>	Interferon-induced protein 53
<b>Expression Region</b>	2-471aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	56.5 kDa
<b>Protein Length</b>	Full Length of Mature Protein



## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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