

WARS recombinant protein

Recombinant Human WARS Protein

CATALOG # AAA263304	HOST E Coli	REACTIVITY Human	APPLICATIONS SDS-Page, Western Blot, ELISA
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PRODUCT SYNONYMS

WARS; Recombinant Human WARS Protein; IFI53; WRS; Tryptophan--tRNA ligase cytoplasmic; Interferon-induced protein 53; IFP53; Tryptophanyl-tRNA synthetase; TrpRS; hWRS; WARS recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	Greater than 95% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 muM filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.
Sequence	MGSSHHHHH SSGLVPRGSH MPNSEPASLL ELFNSIATQG ELVRSKAGN ASKDEIDSAV KMLVSLKMSY KAAAGEDYKA DCPGPNPAPT SNHGPDTEA EEDFVDPWTV QTSSAKGIDY DKLIVRFGSS KIDKELINRI ERATGQRPHH FLRRGIFFSH RDMNQVLDAY ENKKPFYLYT GRGPSSEAMH VGHLIPFIFT KWLQDVFNVP LVIQMTDDEK YLWKDLTLDQ AYSYAVENAK DIIACGFDIN KTFIFSDLDY MGMSSGFYKN VVKIQKHVTF NQVKGIFGFT DSDCIGKISF PAIQAAPSF NSFPQIFRDR TDIQCLIPCA IDQDPYFRMT RDVAPRIGYP KPALLHSTFF PALQGAQTKM SASDPNSSIF LTDTAKQIKT KVNKHAFSGG RDTIEEHRQF GGNCDDVDVSF MYLTFFLEDD DKLEQIRKDY TSGAMLTGEL KKALIEVLQP LIAEHQARRK EVTDEIVKEF MTPRKLSFDF Q
Sequence Length	471
Applicable Applications for WARS recombinant protein	MS (Mass Spectrometry), SDS-PAGE, WB (Western Blot), ELISA
Endotoxin	Less than 0.1 ng/mug (1 IEU/mug) as determined by LAL test.
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 mug/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Preparation and Storage	Lyophilized protein should be stored at -20 degree C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at -20 degree C for 3 months.

ADDITIONAL INFORMATION

Related Product Information for WARS recombinant protein	Recombinant Human WARS Protein is produced by our E Coli expression system and the target gene encoding Met1-Gln471 is expressed with a 6His tag at the N-terminus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47419914
NCBI GeneID	7453
NCBI Accession #	NP_004175.2
NCBI GenBank Nucleotide #	NM_004184.3

UniProt Accession #	P23381; P78535; Q502Y0; Q53XB6; Q9UDI5; Q9UDL3; A6NGN1; A6NID3
Molecular Weight	48,852 Da
NCBI Official Full Name	tryptophan--tRNA ligase, cytoplasmic isoform a
NCBI Official Synonym Full Names	tryptophanyl-tRNA synthetase
NCBI Official Symbol	WARS
NCBI Official Synonym Symbols	IFI53; IFP53; GAMMA-2
NCBI Protein Information	tryptophan--tRNA ligase, cytoplasmic
UniProt Protein Name	Tryptophan--tRNA ligase, cytoplasmic
UniProt Gene Name	WARS
UniProt Synonym Gene Names	IFI53; WRS; IFP53; TrpRS; hWRS
UniProt Entry Name	SYWC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/wars-recombinant-protein-e-coli-ms-mass-spectrometry-sds-page-wb-western-blot-elisa/263304>