

## Recombinant Human WARS, His tagged

**Cat. No.** WARS-283H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human WARS (P23381-1) (Pro2-Gln471), fused with a polyhistide tag at the N-terminus, was produced in Baculovirus-Insect cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	2-471 a.a.
<b>Predicted N Terminal</b>	His
<b>Form</b>	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant human WARS consists of 487 amino acids and has a calculated molecular mass of 55.2 kDa. The recombinant protein migrates as an approximately 55 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 eu per µg of the protein as determined by the LAL method.
<b>Purity</b>	>90 % as determined by SDS-PAGE
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70oC.
<b>Storage</b>	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** [WARS tryptophanyl-tRNA synthetase \[ Homo sapiens \]](#)

**Official Symbol** WARS

**Gene ID** [7453](#)

**mRNA Refseq** [NM\\_004184](#)

**Protein Refseq** [NP\\_004175](#)

**MIM** [191050](#)

**UniProt ID** [P23381](#)

**Chromosome Location** 14q32.2

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