

Recombinant Human Tryptophan--tRNA Ligase, Cytoplasmic/WARS/TrpRS Protein(N-6His)

Cat.NO.: TP05817

3th Edition

Synonyms:WARS also known as Tryptophanyl-tRNA synthetase; Interferon-induced protein 53.

Description:There exists two types of tryptophanyl tRNA synthetases, the cytoplasmic form called WARS, the mitochondrial form called WARS2. WARS catalyzes the aminoacylation of tRNA (trp) with tryptophan and is induced by interferon. WARS regulates ERK, Akt, eNOS activation pathway, which are related with angiogenesis, cytoskeletal reorganization and shear stress-responsive gene expression.

Form:PBS

Molecular Weight:55.3 kDa

Sequences:Met 1-Gln471

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.