

Product datasheet for **AR50378PU-S**

YARS2 (17-477, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	YARS2 (17-477, His-tag) human recombinant protein, 20 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MTLNLSVLLP LGLRKAHSGA QGLLAAQKAR GLFKDFFPET GTKIELPELF DRGTASFPQT IYCGFDPTAD SLHVGHLLAL LGLFHLQRAG HNVIALVGGA TARLGDPSGR TKEREALETE RVRANARALR LGLEALAAH QQLFTDGRSW GSFTVLDNSA WYQKQHLVDF LAAVGGHFRM GTLLSRQSVQ LRLKSPGMS LAEFFYQVLQ AYDFYFLFQR YGCRVQLGGS DQLGNIMSGY EFINKLTGED VFGITVPLIT STTGAKLGKS AGNAVWLNRD KTSPFELYQF FVRQPDDSVE RYLKLFTEFLP LPEIDHIMQL HVKEPERRGP QKRLAAEVTK LVHGREG LDS AKRCTQALYH SSIDALEVMS DQELKELFKE APFSEFLDP GTSVLDTCRK ANAIPDGPRG YRMITEGGVS INHQVQTNPE SVLIVGQHIL KNGLSLLKIG KRNFYIIKWL QL
Tag:	His-tag
Predicted MW:	53.7 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human YARS2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001035526
Locus ID:	51067
UniProt ID:	Q9Y2Z4



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Cytogenetics: 12p11.21

Synonyms: CGI-04; MLASA2; MT-TYRRS; TYRRS

Summary: This gene encodes a mitochondrial protein that catalyzes the attachment of tyrosine to tRNA(Tyr). Mutations in this gene are associated with myopathy with lactic acidosis and sideroblastic anemia type 2 (MLASA2). [provided by RefSeq, Jan 2011]

Protein Families: Druggable Genome

Protein Pathways: Aminoacyl-tRNA biosynthesis

Product images:

