

Product datasheet for **AR09995PU-L**

YARS (1-528, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	YARS (1-528, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MGDAPSPEEK LHLITRNLQE VLGEEKLKEI LKERELKIYW GTATTGKPHV AYFVPMASKIA DFLKAGCEVT ILFADLHAYL DNMKAPWELL ELRVSYENV IKAMLESIGV PLEKLFKIFG TDYQLSKEYT LDVYRLSSVV TQHDSKKAGA EVVKQVEHPL LSGLLYPGLQ ALDEEYLKVD AQFGGIDQRK IFTFAEKYLP ALGYSKRVHL MNPMVPGTLG SKMSSSEEEES KIDLLDRKED VKKKLLKKAFC EPGNVENNGV LSFIKHVLFP LKSEFVILRD EKWGGNKTYT AYVDLEKDFA AEWVHPGDLK NSVEVALNKL LDPIREKFNT PALKKLAASAA YPDPSKQKPM AKGPAKNSEP EEVIPSRLDI RVGKIITVEK HPDADSLYVE KIDVGAEPR TVWSGLVQFV PKEELQDRLV VVLCNLKPQK MRGVESQGML LCASIEGINR QVEPLDPPAG SAPGEHVFKV GYEKGQPDEE LKPKKKVF EK LQADFKISEE CIAQWKQTNF MTKLGSISCK SLKGGNIS
Tag:	His-tag
Predicted MW:	61.3 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human YARS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_003671</u>
Locus ID:	8565



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UniProt ID: [P54577](#), [A0A0S2Z4R1](#)

Cytogenetics: 1p35.1

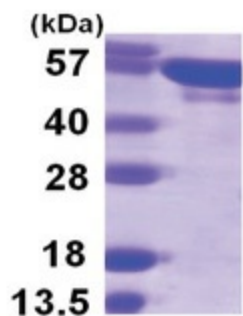
Synonyms: CMTDIC; TYRRS; YARS; YRS; YTS

Summary: Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Tyrosyl-tRNA synthetase belongs to the class I tRNA synthetase family. Cytokine activities have also been observed for the human tyrosyl-tRNA synthetase, after it is split into two parts, an N-terminal fragment that harbors the catalytic site and a C-terminal fragment found only in the mammalian enzyme. The N-terminal fragment is an interleukin-8-like cytokine, whereas the released C-terminal fragment is an EMAP II-like cytokine. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Aminoacyl-tRNA biosynthesis

Product images:



15% SDS-PAGE (3ug)