Tyrosine--tRNA ligase, cytoplasmic (YARS) Recombinant Protein | YARS recombinant protein

Recombinant Human Tyrosine--tRNA ligase, cytoplasmic (YARS)

CATALOG #	HOST
AAA113735	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Tyrosine--tRNA ligase; cytoplasmic (YARS); Recombinant Human Tyrosine--tRNA ligase; YARS recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-528aa; Full Length of Mature Protein
Sequence	GDAPSPEEKL HLITRNLQEV LGEEKLKEIL KERELKIYWG TATTGKPHVA YFVPMSKIAD FLKAGCEVTI LFADLHAYLD NMKAPWELLE LRVSYYENVI KAMLESIGVP LEKLKFIKGT DYQLSKEYTL DVYRLSSVVT QHDSKKAGAE VVKQVEHPLL SGLLYPGLQA LDEEYLKVDA QFGGIDQRKI FTFAEKYLPA LGYSKRVHLM NPMVPGLTGS KMSSSEEESK IDLLDRKEDV KKKLKKAFCE PGNVENNGVL SFIKHVLFPL KSEFVILRDE KWGGNKTYTA YVDLEKDFAA EVVHPGDLKN SVEVALNKLL DPIREKFNTP ALKKLASAAY PDPSKQKPMA KGPAKNSEPE EVIPSRLDIR VGKIITVEKH PDADSLYVEK IDVGEAEPRT VVSGLVQFVP KEELQDRLVV VLCNLKPQKM RGVESQGMLL CASIEGINRQ VEPLDPPAGS APGEHVFVKG YEKGQPDEEL KPKKKVFEKL QADFKISEEC IAQWKQTNFM TKLGSISCKS LKGGNIS
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for YARS recombinant protein	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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507947
NCBI GeneID	8565
NCBI Accession #	NP_003671.1
NCBI GenBank Nucleotide #	NM_003680.3
UniProt Accession #	P54577; O43276; Q53EN1; B3KWK4; D3DPQ4
Molecular Weight	86 kDa

NCBI Official Full Name	tyrosine--tRNA ligase, cytoplasmic
NCBI Official Synonym Full Names	tyrosyl-tRNA synthetase
NCBI Official Symbol	YARS
NCBI Official Synonym Symbols	YRS; YTS; TYRRS; CMTDIC
NCBI Protein Information	tyrosine--tRNA ligase, cytoplasmic
UniProt Protein Name	Tyrosine--tRNA ligase, cytoplasmic
UniProt Gene Name	**YARS**
UniProt Synonym Gene Names	TyrRS

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://www.aaabiotech.com/yars-recombinant-protein-e-coli/113735