

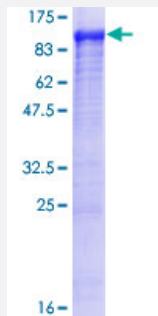
Full-Length

TARS (Human) Recombinant Protein (P01)

Catalog # H00006897-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TARS full-length ORF (NP_689508.3, 1 a.a. - 723 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MFEEKASSPSGKMGGEKPIGAGEEKQKEGGKKKNKEGSGDGGRAELNPWPEYYTRLEMYNIL
KAEHDSILAEKAEKDSKPIKVTLPGKQVDAESWKTTPYQIACGISQGLADNTVIKVNNVVWDL
RPLEEDCTLELLKFEDEEAQAVYWHSSAHIMGEAMERVYGGCLCYGPPIENGFFYDYLEEGGV
SSNDFSSLEALCKKIIKEKQAFERLEVKKETLLAMFKYNKFKCRILNEKVNTPTTTVYRCGPLIDLCR
GPHVRHTGKIKALKIHKNSSTYWEGKADMETLQRYGISFPDPKMLKEWEKFQEEAKNRDHRKIGR
DQELYFFHELSPGSCFFLPKGAYYNALIEFIRSEYRKRGFQEVVTPNIFNSRLWMTSGHWQHYSE
NMFSEVEKELFALKPMNCPGHCLMFDHRPRSWRELPLRLADFGVLHRNELSGALTGLTRVRRF
QQDDAHIFCAMEQIEDEIKGCLDFLRTVYSVFGFSFKLNLSTRPEKFLGDIQVWDQAEKQLENSLN
EFGEKWELNSGDGAFYGPIDIKDAIGRYHQCATIQDLDFQLPIRFNLTYVSHDGGDDKKRPVIVHRA
ILGSVERMAILTENYGGKWPFWLSRQVMVVPVGPTCDEYAQKVRQQFHDAKFMADIDLDPGCT
LNKKIRNAQLAQYNFILVVGEEKISGTVNIRTRDNKVHGERTISETIERLQQLKEFRSKQAEFEF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

109.8

Interspecies Antigen Sequence

Mouse (95); Rat (92)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TARS

Entrez GeneID	6897
GeneBank Accession#	NM_152295.3
Protein Accession#	NP_689508.3
Gene Name	TARS
Gene Alias	MGC9344, ThrRS
Gene Description	threonyl-tRNA synthetase
Omim ID	187790
Gene Ontology	Hyperlink
Gene 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. Threonyl-tRNA synthetase belongs to the class-II aminoacyl-tRNA synthetase family [provided by RefSeq]
Other Designations	threonine tRNA ligase 1, cytoplasmic threonine--tRNA ligase

Pathway

- [Aminoacyl-tRNA biosynthesis](#)