

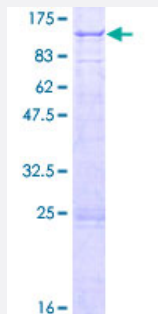
Full-Length

TARS2 (Human) Recombinant Protein (P01)

Catalog # H00080222-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TARS2 full-length ORF (NP_079426.2, 1 a.a. - 718 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALYQRWRCRLRLQGLQACRLHTAVVSTPPRWLAERLGLFEELWAAQVKRLASMAQKEPRTIKIS
LPGGQKIDAVAWNTTPYQLARQISSTLADTAVAAQVNGEPYDLERPLETSDLRFLTDFSPEGKA
VFWHSSTHVLGAAAEQFLGAVLCRGPSTEYGFYHDFFLGKERTIRGSELPVLERICQELTAAARP
FRRLEASRDQLRQLFKDNPFKLHLIEEKVTGPTATVYGCGLVDLCQGPHLRHTGQIGGLKLLSNS
SSLWRSSGAPETLQRVSGISFPTTELLRVWEAWREEAELRDHRRIGKEQELFFFHELSPGSCFFL
PRGTRVYNALVAFIRAEYAHRGFSEVKTPTLFSTKLWEQSGHWEHYQEDMFAVQPPGSDRPPSS
QSDDSTRHITDTLALKPMNCPAHCLMFAHRPRSWRELPLRLADFGALHRAEASGGLGGLTRLRC
FQDDAHIFCTTDQLEAEIQSCLDFLRVYAVLGFSLRSLALSTRPSGLGDPCLWDQAEQVLKQA
LKEFGEPWDLNSGDGAFYGPIDVHLHDALGRPHQCGTIQLDFQLPLRFDLQYKGQAGALERP
LIHRAVLGSVERLLGVLAESCGGWPLWLSPFQVVVIVPGSEQEEYAKEAQQSLRAAGLVSDLD
ADSGTLSSRRIRRAQLAHYNFQFVVGQKEQSKRTVNIRTRDNRRLGWDLPEAVQRLVELQNTRV
PNAEEIF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

107.4

Interspecies Antigen Sequence

Mouse (83); Rat (82)

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 — TARS2

Entrez GeneID	80222
GeneBank Accession#	NM_025150.3
Protein Accession#	NP_079426.2
Gene Name	TARS2
Gene Alias	FLJ12528, TARSL1
Gene Description	threonyl-tRNA synthetase 2, mitochondrial (putative)
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTHUMP00000014939 threonine tRNA ligase 2, mitochondrial threonyl-tRNA synthetase 2, mitochondrial threonyl-tRNA synthetase-like 1

Pathway

- [Aminoacyl-tRNA biosynthesis](#)

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)