

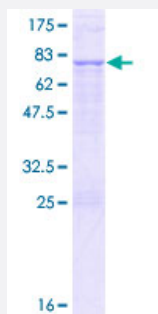
Full-Length

YARS2 (Human) Recombinant Protein (P01)

Catalog # H00051067-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human YARS2 full-length ORF (NP_001035526.1, 1 a.a. - 477 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAPILRSFSWGRWSGTLNLSVLLPLGLRKAHSGAQGLLAAQKARGLFKDFFPETGTKIELPELF
DRGTASFPQTYCGFDPTADSLHVGHLLALLGLFHLQRAGHNVALVGGATARLGDPGSGRTKERE
ALETERVRANARALRLGLEALAAHQQLFTDGRSWGSTVLDNSAWYQKQHLVDFLAAVGGHF
RMGTLLSRQSVQLRLKSPEGMSLAEFFYQVLQAYDFYLFQRYGCRVQLGGSDQLGNIMSGYEFI
NKLTGEDVFGITVPLITSTTGAKLGKSAGNAVWLNDRDKTSPFELYQFFVRQPDDSVRYLKLFTFL
PLPEIDHIMQLHVKEPERRGPQKRLAAEVTKLVHGREGLDSAKRCTQALYHSSIDALEVMSDQEL
KELFKEAPFSEFFLDPGTSVLDTCRKANAIPDGPRGYRMITEGGVSINHQQVTNPESVLVGGHILK
NGLSLLKIGKRNFYIKWLQL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

79.6

Interspecies Antigen Sequence

Mouse (84); Rat (84)

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 — YARS2

Entrez GeneID	51067
GeneBank Accession#	NM_001040436.1
Protein Accession#	NP_001035526.1
Gene Name	YARS2
Gene Alias	CGI-04, FLJ13995, TYRRS, mt-TyrRS
Gene Description	tyrosyl-tRNA synthetase 2, mitochondrial
Omim ID	610957
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	tyrosine tRNA ligase 2, mitochondrial

Pathway

- [Aminoacyl-tRNA biosynthesis](#)