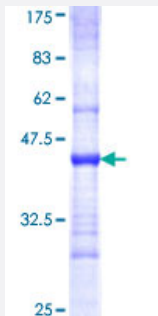


FARSLB (Human) Recombinant Protein (Q01)

Catalog # H00010056-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human FARSLB partial ORF (NP_005678, 234 a.a. - 341 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PPIINGDHSRITVNTRNIFIECTGTDFTKAKVLDIVTMFSEYCENQFTVEAAEVVFPNGKSHTFPELAYRKEMVRADLINKKVGIRETPENLAKLLTRMYLKSEVI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.62
Interspecies Antigen Sequence	Mouse (93); Rat (93)
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 — FARSB

Entrez GeneID [10056](#)

GeneBank Accession# [NM_005687](#)

Protein Accession# [NP_005678](#)

Gene Name FARSB

Gene Alias FARSLB, FRSB, HSPC173, PheHB, PheRS

Gene Description phenylalanyl-tRNA synthetase, beta subunit

Omim ID [609690](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a highly conserved enzyme that belongs to the aminoacyl-tRNA synthetase class IIc subfamily. This enzyme comprises the regulatory beta subunits that form a tetramer with two catalytic alpha subunits. In the presence of ATP, this tetramer is responsible for attaching L-phenylalanine to the terminal adenosine of the appropriate tRNA. A pseudogene located on chromosome 10 has been identified. [provided by RefSeq]

Other Designations phenylalanine tRNA ligase 1, beta, cytoplasmic|phenylalanine-tRNA ligase beta chain|phenylalanine-tRNA synthetase-like, beta subunit|phenylalanyl-tRNA synthetase beta-subunit|phenylalanyl-tRNA synthetase-like, beta subunit

Pathway

- [Aminoacyl-tRNA biosynthesis](#)

Disease

- [Tobacco Use Disorder](#)