

Recombinant Human FARSB Protein, GST-tagged

Cat. No. FARSB-3848H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FARSLB full-length ORF (AAH17783, 1 a.a. - 589 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]
Molecular Mass	90.53 kDa
AA Sequence	MPTVSVKRDLLFQALGRITYTDEEFDELCFEFGLELDEITSEKEIISKEQGNVKAAGAS DVVLYKIDVPANRYDLLCLEGLVRGLQVFKERIKAPVYKRVMPDGGIKQLIITEETAKI RPFAVA AVLNRNIKFTKDRYDSFIELQEKLHQNICRKRALVAIGTHDLDTLSGPFTYTAK RPSDIKFKPLNKTKEYTACELMNIYKTDNHLKHLYLHIIENKPLYPVIYDSNGVVLSMPPI INGDHSRITVNTRNIFIECTGTDFTKAKIVLDIIVTMFSEYCNQFTVEAAEVVFPNGKS HTFPELAYRKEMVRADLINKKVGIRETPENLAKLLTRMYLKSEVIGDGNQIEIEIPPTR ADIIHACDIVEDAAIAYGYNNIQMTLPKTYTIANQFPLNKLTELLRHDMAAAGFTEALTF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ALCSQEDIADKLGVDISATKAVHISNPKTAEFQVARTTLLPGLLKTIANRKMPLPLKL
FEISDIVIKDSNTDVGAKNYRHLCVYYNKNPGFEIHHGLLDRIMQLLDVPPGEDKGG
YVIKASEGPAFFPGRCAEIFARGQSVGKLGVLHPDVITKFELTMPCSSLEINIGPFL

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

FARSB phenylalanyl-tRNA synthetase, beta subunit [Homo sapiens]

Official Symbol

FARSB

Synonyms

FARSB; phenylalanyl-tRNA synthetase, beta subunit; FARSLB, phenylalanyl tRNA synthetase like, beta subunit; phenylalanine--tRNA ligase beta subunit; FRSB; PheHB; phenylalanine tRNA ligase 1; beta; cytoplasmic; phenylalanine-tRNA ligase beta chain; phenylalanine--tRNA ligase beta chain; phenylalanyl-tRNA synthetase beta chain; phenylalanyl-tRNA synthetase beta-subunit; phenylalanine tRNA ligase 1, beta, cytoplasmic; phenylalanyl-tRNA synthetase-like, beta subunit; phenylalanine-tRNA synthetase-like, beta subunit; PheRS; FARSLB; HSPC173;

Gene ID

10056

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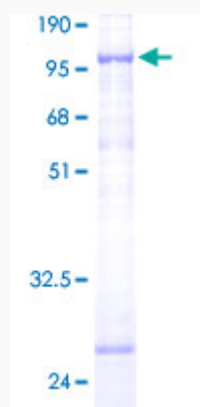
mRNA Refseq [NM_005687](#)

Protein Refseq [NP_005678](#)

MIM [609690](#)

UniProt ID [Q9NSD9](#)

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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