

Recombinant Full Length Human FARSB Protein, GST-tagged

Cat. No. FARSB-4771HF **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	In Vitro Cell Free System
ProteinLength	589 amino acids
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 DVVLYKIDVPANRYDLLCLEGLVRGLQVFKERIKAPVYKRVMPDGKIQKLIITEETAKI RPFAVA AVLNRNIKFTKDRYDSFIELQEKLHQNICRKRALVAIGTHDLDTLSGPFTYTAK RPSDIKFKPLNKTKEYTACELMNIYKTDNHLKHLYLHIIENKPLYPIYDSNGVVLSPPI INGDHSRITVNTRNIFIECTGTDFTKAKIVLDIIVTMFSEYCENQFTVEAAEVVFPNGKS HTFPELAYRKEMVRADLINKKVGIRETPENLAKLLTRMYLKSEVIGDGNQIEIEIPPTR

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ADIIHACDIVEDAAIAYGYNNIQMTLPKTYTIANQFPLNKLTELLRHDMAAAGFTEALTF
ALCSQEDIADKLGVDISATKAVHISNPKTAEFQVARTTLLPGLLKTTIAANRKMPPLPLKL
FEISDIVIKDSNTDVGAKNYRHLCVYYNKNPGFEIIHGLLDRIMQLLDVPPGEDKGG
YVIKASEGPAFFPGRCAEIFARGQSVGKLGVLHPDVITKFELTMPCCSLEINIGPFL

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

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