

Recombinant Human FARSB protein, His-tagged

Cat. No. FARSB-12750H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FARSB protein(240-589 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	240-589 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	DHSRITVNTRNIFIECTGTDFTKAKIVLDIIVTMFSEYCNQFTVEAAEVVFPNGKSHTF PELAYRKEMVRADLINKKVGIRETPENLAKLLTRMYLKSEVIGDGNQIEIIPPTRADII HACDIVEDAAIAYGYNNIQMTLPKTYTIANQFPLNKLTELLRHDMAAAGFTEALTFALC SQEDIADKLGVDISATKAVHISNPKTAEFQVARTTLLPGLLKTIANRKMPLPLKLFES DIVIKDSNTDVGAKNYRHLCVYYNKNPGFEIHHGLLDRIMQLLDVPPGEDKGGYVIK ASEGPAFFPGRCAEIFARGQSVGKLGVLHPDVITKFEITMPCSSLEINIGPFL
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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

mRNA Refseq

NM_005687

Protein Refseq

NP_005678

MIM

609690

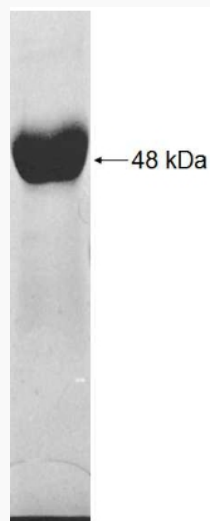
UniProt ID

Q9NSD9

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SDS-PAGE

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