

Recombinant Human FARSB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FARSB-4086H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FARSB MS Standard C13 and N15-labeled recombinant protein (NP_005678) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	66.1 kDa
AA Sequence	MPTVSVKRDLLFQALGRITYTDEEFDELCFEFGLELDEITSEKEIISKEQGNVKAAGAS DVVLYKIDVPANRYDLLCLEGLVRGLQVFKERIKAPVYKRVMPDGGKIQLIITEETAKI RPFAVA AVLRLNIKFTKDRYDSFIELQEKHLQNICRKRALVAIGTHDLDTLSGPFTYTAK RPSDIKFKPLNKTKEYTACELMNIYKTDNHLKHLYLHIIENKPLYPVIYDSNGVVLSPPI INGDHSRITVNTRNIFIECTGTDFTKAKIVLDIIVTMFSEYCENQFTVEAAEVVFPNGKS HTFPELAYRKEMVRADLINKKVGIRETPENLAKLLTRMYLKSEVIGDGNQIEIEIPPTR ADIIHACDIVEDAAIAYGYNNIQMTLPKTYTIANQFPLNKLTELLRHDMAAAGFTEALTF

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ALCSQEDIADKLGVDISATKAVHISNPKTAEFQVARTTLLPGLLKTIANRKMPLPLKL
FEISDIVIKDSNTDVGAKNYRHLCVYYNKNPGFEIHHGLLDRIMQLLDVPPGEDKGG
YVIKASEGPAFFPGRCAEIFARGQSVGKLGVLHPDVITKFELTMPCCSLEINIGPFLTR
TRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name **FARSB** phenylalanyl-tRNA synthetase subunit beta [Homo sapiens (human)]

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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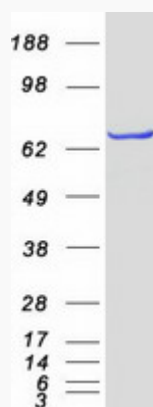
mRNA Refseq NM_005687

Protein Refseq NP_005678

MIM 609690

UniProt ID Q9NSD9

SDS-PAGE



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