

Product datasheet for PH304639

FARSLB (FARSB) (NM_005687) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FARSB MS Standard C13 and N15-labeled recombinant protein (NP_005678)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204639
Predicted MW:	66.1 kDa
Protein Sequence:	>RC204639 protein sequence Red=Cloning site Green=Tags(s)

MPTVSVKRDLLFQALGRTYTDEEFDELCEFFGLELDEITSEKEIISKEQGNVKAAGASDVVLYKIDVPAN
RYDLLCLEGLVRGLQVFKERIKAPVYKRVMPDGKIQKLIITEETAKIRPFAVAVALRNKIFTKDRYDSFI
ELQEKHLQNICRKRALVAIGTHDLDTLSGPFTYAKRPSDIKFKPLNKTKKEYTACELMNIYKTDNHLKHY
LHIENKPLYPVIYDSNGVLSMPPIINGDHSRITVNRNIFIECTGDTFKAKIVLDIIVTMFSEYECEN
QFTVEAAEVVFPNGKSHTFPELAYRKEMVRADL INKKVGI RETPENLAKLLTRMYLKSEVIGDGNQIEIE
IPPTRADIIHACDIVEDAAIAYGNNIQMTLPKTYTIANQFPLNKLTELLRHDMAAAGFTEALTFALCSQ
EDIADKLGVDISATKAVHISNPKTAEFQVARTLLPGLLKTIAANRKMPLPLKLFESDIVIKDSNTDVG
AKNYRHLCVYYNKNPGFEI IHGLLD RIMQLLDVPPGEDKGGYVIKASEGPAFFPGRCAEIFARGQSVGK
LGVLHPDVITKFELTMPCCSLEINIGPFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005678
RefSeq Size:	2233
RefSeq ORF:	1767



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Synonyms: FARSLB; FRSB; HSPC173; NEDBLLA; PheHB; PheRS; RILDBC; RILDBC1

Locus ID: 10056

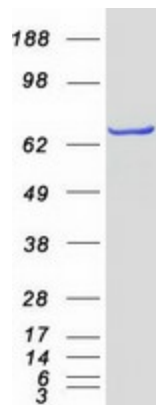
UniProt ID: [Q9NSD9](#)

Cytogenetics: 2q36.1

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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]

Protein Pathways: Aminoacyl-tRNA biosynthesis

Product images:



Coomassie blue staining of purified FARSB protein (Cat# [TP304639]). The protein was produced from HEK293T cells transfected with FARSB cDNA clone (Cat# [RC204639]) using MegaTran 2.0 (Cat# [TT210002]).