

Product datasheet for **TP304639M**

FARSLB (FARSB) (NM_005687) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phenylalanyl-tRNA synthetase, beta subunit (FARSB), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204639 protein sequence Red =Cloning site Green =Tags(s)

MPTVSVKRDLLFQALGRITYTDEEFDELCEFGLELDEITSEKEIISKEQGNVKAAGASDVVLYKIDVPAN
RYDLLCLEGLVRGLQVFKERIKAPVYKRVMPDGKIQKLIITEETAKIRPFAVAAVLRNIKFTKDRYDSFI
ELQEKLHQNICRKRALVAIGTHDLDTLSGPFTYAKRPSDIKFKPLNKTKKEYTACELMNIYKTDNHLKH
LHIENKPLYPVYDSNGVLSMPPIINGDHSRITVNTRNIFIETGTDFTKAKIVLDIIVTMFSEYCE
QFTVEAAEVVFPNGKSHTFPELAYRKEMVRADLINKKVGIRETPENLAKLLTRMYLKSEVIGDGNQIEIE
IPPTRADIIHACDIVEDAAIAYGYNNIQMTLPKTYTIANQFPLNKLTELLRHDMAAAGFTEALTFALCSQ
EDIADKLGVDISATKAVHISNPKTAEFQVARTLLPGLLKTIAANRKMPLPLKFEISDIVIKDSNTDVG
AKNYRHLCVYYNKNPGFEIHHGLLDRLIMQLLDVPPGEDKGGYVIKASEGPAFFPGRCAEIFARGQSVGK
LGVLHPDVITKFEITMPCSSLEINIGPFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

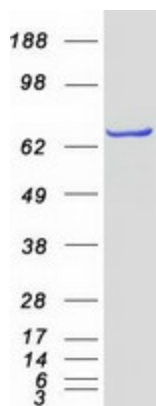
Tag:	C-Myc/DDK
Predicted MW:	65.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005678
Locus ID:	10056
UniProt ID:	Q9NSD9
RefSeq Size:	2233
Cytogenetics:	2q36.1
RefSeq ORF:	1767
Synonyms:	FARSLB; FRSB; HSPC173; NEDBLLA; PheHB; PheRS; RILDBC; RILDBC1
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]).