

Product datasheet for **TP305843L**

FARS2 (NM_006567) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phenylalanyl-tRNA synthetase 2, mitochondrial (FARS2), nuclear gene encoding mitochondrial protein, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205843 protein sequence Red =Cloning site Green =Tags(s)

MVGSALRRGAHAYVYLVSKASHISRGHQHQAWGSRPPAAECATQRAPGSWELLGKSYPQDDHNSLNRKV
LTRVGRNLHNQQHHPLWLIKERVKEHFYKQYVGRFGTPLFSVYDNLSPVTTWQNFDSLLIPADHPSRKK
GDNYYLNRTTMLRAHTSAHQWDLHAGLDAFLVVDVYRRDQIDSQHYPIFHQLEAVRLFSKHELFFAGIK
DGESLQLFEQSSRSAHKQETHTMEAVKLVEFDLQTLTRLMAHLFGDELEIRWVDCYFPFTHPSFEMEIN
FHGEWLEVLGCGVMEQQLVNSAGAQDRIGWAFGLGLERLAMILYDIPDIRLFWCEDERFLKQFCVSNINQ
KVKFQPLSKYPAVINDISFWLPSENYAENDFYDLVRTIGGDLVEKVDLIDKFVHPKTHKTSHCYRITYRH
MERTLSQREVRHIHQALQEAAVQLLGVEGRF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	48.4 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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_006558](#)

Locus ID: 10667

UniProt ID: [O95363](#)

RefSeq Size: 1841

Cytogenetics: 6p25.1

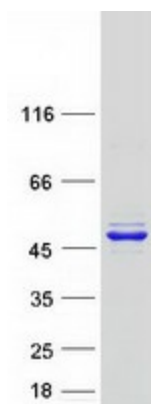
RefSeq ORF: 1353

Synonyms: COXPD14; FARS1; HSPC320; mtPheRS; PheRS; SPG77

Summary: This gene encodes a protein that transfers phenylalanine to its cognate tRNA. This protein localizes to the mitochondrion and plays a role in mitochondrial protein translation. Mutations in this gene can cause combined oxidative phosphorylation deficiency 14 (Alpers encephalopathy). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Protein Pathways: Aminoacyl-tRNA biosynthesis

Product images:



Coomassie blue staining of purified FARS2 protein (Cat# [TP305843]). The protein was produced from HEK293T cells transfected with FARS2 cDNA clone (Cat# [RC205843]) using MegaTran 2.0 (Cat# [TT210002]).