

Product datasheet for **TP507194**

Fars2 (NM_024274) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse phenylalanine-tRNA synthetase 2 (mitochondrial) (Fars2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207194 protein sequence Red =Cloning site Green =Tags(s)

MVCLALVRAAYEHIYLVRKVVSHACRCHQHRAWSSKPAASQSAVQGAPGSVLEILGKSY PQDDHTNLTQKV
LSKVGRNLHNQKFHPLWLIKERVKEHFYQQYMVRSRTPLFSVYDQLPPVTTWQNFDSLIPADHPSRKK
GDNYLNRAMLRAHTSAHQWDL LHAGLNAFLVGDVYRRDQIDCQHYPVFHQLEGVRLFSKHEL FAGVK
DGESLQLFEEGSRSAHKQETHTMEAVKLVFDLQVLTRLVTHLFGDGLVWRVDCYFPFTHPSFEMEIN
FRGEWLEVLGCGVMEQQLVNSAGAQRIGWAFGLGLERLAMVLYDIPDIRLFWSEDERFLKQFLLSDINQ
SVKFQPLSKYPAVFNDISFWLPSENYTENDFYDIVRTVGGDLVEKVDLIDKFEHPKTHRTSHCYRITYRH
MERTLSQREVGNVHQAVQEA AVQLLGVVEGRF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	52.3 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
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 after receiving vials.
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_077236
Locus ID:	69955



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UniProt ID: [Q99M01](#), [Q8BW46](#)

RefSeq Size: 1896

Cytogenetics: 13 A3.3

RefSeq ORF: 1356

Synonyms: Fars1; pheRS

Summary: Is responsible for the charging of tRNA(Phe) with phenylalanine in mitochondrial translation. To a lesser extent, also catalyzes direct attachment of m-Tyr (an oxidized version of Phe) to tRNA(Phe), thereby opening the way for delivery of the misacylated tRNA to the ribosome and incorporation of ROS-damaged amino acid into proteins (By similarity).[UniProtKB/Swiss-Prot Function]