

Recombinant Full Length Human FARS2 Protein, GST-tagged

Cat. No. FARS2-4758HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FARS2 full-length ORF (NP_006558.1, 1 a.a. - 451 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	451 amino acids
Description	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]
Molecular Mass	78.8 kDa
AA Sequence	MVGSALRRGAHAYVYLVSKASHISRGHQHQAWGSRPPAAECATQRAPGSVVELLG KSYPQDDHSNLTRKVLTRVGRNLHNQQHHPLWLIKERVKEHFYKQYVGRFGTPLFS VYDNLSPVVTWQNFDSLIPADHPSRKKGDNYLNRTHMLRAHTSAHQWDLHAG LDAFLVVGDVYRRDQIDSQHYPIFHQLEAVRLFSGKHELFAGIKDGESLQLFEQSSRSA HKQETHHTMEAVKLVEFDLKQTLTRLMAHLFGDELEIRWVDCYFPFTHPSFEMEINFH GEWLEVLGCGVMEQQLVNSAGAQRIGWAFGLGLERLAMILYDIPDIRLFWCEDER FLKQFCVSNINQKVKFQPLSKYPAVINDISFWLPSENYAENDFYDLVRTIGGDLVEKV DLIDKFVHPKTHKTSHCYRITYRHMERTLSQREVRHIHQALQEAAVQLLGVEGRF

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	FARS2 phenylalanyl-tRNA synthetase 2, mitochondrial [Homo sapiens]
Official Symbol	FARS2
Synonyms	FARS2; phenylalanyl-tRNA synthetase 2, mitochondrial; FARS1, phenylalanine tRNA synthetase 1 (mitochondrial); phenylalanine--tRNA ligase, mitochondrial; dJ236A3.1; phenylalanine tRNA ligase 2; mitochondrial; phenylalanine transase; dJ236A3.1 (phenylalanine-tRNA synthetase); phenylalanine tRNA ligase 2, mitochondrial; phenylalanyl-tRNA synthetase, mitochondrial; phenylalanine-tRNA synthetase 1 (mitochondrial); phenylalanine-tRNA synthetase 2 (mitochondrial); dJ520B18.2 (FARS1 (phenylalanine-tRNA synthetase)); FARS1; PheRS; HSPC320; dJ520B18.2;
Gene ID	10667
mRNA Refseq	NM_006567
Protein Refseq	NP_006558

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MIM	611592
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UniProt ID	O95363
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