

Recombinant Human FARS2 Protein, GST-tagged

Cat. No. FARS2-3844H **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	Wheat Germ
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	MVGSALRRGAHAYVYLVS KASHISRGHQHQA WGSRPPAAECATQ RAPGSVVELLG KSYPQDDHSNLTRKVLTRVGRNLHNQQHHPLWLIKERVKEHFYKQYVGRFGTPLFS VYDNLSPVVTWQNFDSLIPADHPSRKKGDNYLNRTHMLRAHTSAHQWDL LHAG LDAFLVVG DVYRRDQIDSQHYPIFHQLEAVRLF SKHEL FAGIKDGESLQLFEQSSRSA HKQETH TMEAVKLVEFDLKQTLTRLMAHLFGDELEIRWVDCYFPFTHPSFEMEINFH GEWLEVLGCGVMEQQLVNSAGAQDRIGWAFGLGLERLAMILYDIPDIRLFWCEDER FLKQFCVSNINQKVKFQPLSKYPAVINDISFWLPSENYAENDFYDLVRTIGGDLVEKV DLIDKFVHPKTHKTS HCYRITYRHMERTLSQREVRHIHQALQEAAVQLLGVEGRF
Applications	Enzyme-linked Immunoabsorbent Assay

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	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
MIM	611592

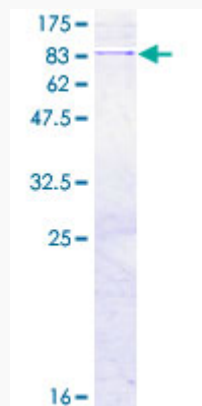
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

O95363

Quality Control
Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA