

Recombinant Human FARSA Protein, GST-tagged

Cat. No. FARSA-3846H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human FARSA full-length ORF (NP_004452.1, 1 a.a. - 508 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. This gene encodes a product which is similar to the catalytic subunit of prokaryotic and <i>Saccharomyces cerevisiae</i> phenylalanyl-tRNA synthetases (PheRS). This gene product has been shown to be expressed in a tumor-selective and cell cycle stage- and differentiation-dependent manner, the first member of the tRNA synthetase gene family shown to exhibit this type of regulated expression [provided by RefSeq, Jul 2008]
Molecular Mass	84 kDa
AA Sequence	MADGQVAELLRRLEASDGGLDSAELAAELGMEHQAVVGAVKSLQALGEVIEAELR STKHWELTAEGEEIAREGSHEARVFRSIPPEGLAQSELMRLPSGKVGFSKAMSNKW IRVDKSAADGPRVFRVVDSDMEDEVQRRLQLVRGGQAEKLGKERSELKRKLLAEV TLKTYWVSKGSFSTISISKQETELSPEMISSGSWRDRPFKPYNFLAHGVLPSDGHLLH PLLKVR SQFRQIFLEMGFTEMPTDNFIESSFWNFDALFQPQQHPARDQHDTFFLRD PAEALQLPMDYVQRVKRTHSQGGYGSQGYKYNWKLDEARKNLLRTHHTTSASARAL YRLAQKKPFTPVKYFSIDRVFRNETLDATHLAEFHQIEGVVADHGLTLGHLMGVLRE

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FFTKLGITQLRFKPAYNPYTEPSMEVFSYHQGLKKWVEVGNSGVFRPEMLLPMGLP
 ENVSVIAWGLSLERPTMIKYGINNIRELVGHKVNLMVYDSPLCRLDAEPRPPPTQE
 AA

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	FARSA phenylalanyl-tRNA synthetase, alpha subunit [Homo sapiens]
Official Symbol	FARSA
Synonyms	FARSA; phenylalanyl-tRNA synthetase, alpha subunit; FARSL, FARSLA, phenylalanine tRNA synthetase like , phenylalanyl tRNA synthetase like, alpha subunit; phenylalanine--tRNA ligase alpha subunit; CML33; phenylalanine tRNA ligase 1; alpha; cytoplasmic; pheRS; phenylalanine--tRNA ligase alpha chain; phenylalanyl-tRNA synthetase alpha chain; phenylalanine-tRNA synthetase alpha-subunit; phenylalanine tRNA ligase 1, alpha, cytoplasmic; phenylalanyl-tRNA synthetase-like, alpha subunit; phenylalanine-tRNA synthetase-like, alpha subunit; FRSA; FARSL; PheHA; FARSLA;
Gene ID	2193

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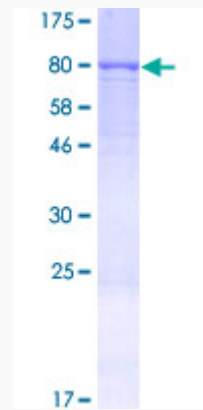
mRNA Refseq NM_004461

Protein Refseq NP_004452

MIM 602918

UniProt ID Q9Y285

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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