

Recombinant Full Length Human FARSA Protein, GST-tagged

Cat. No. FARSA-4759HF 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	In Vitro Cell Free System
ProteinLength	508 amino acids
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 IRVDKSAADGPRVFRVVDSEDEVRRLQLVRGGQAEKLGKERSELRKRKLLAEV TLKTYWVSKGSFSTSIKQETELSPEMISSGSWRDRPFKPYNFLAHGVLPSDGHLLH PLLKVR SQFRQIFLEMGFTEMPDNISSFWNFDALFQPQQHPARDQHDTFFLRD PAEALQLPMDYVQRVKRTHSQGGYGSQGYKYNWKLDEARKNLLRTHHTTSASARAL

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YRLAQKKPFTPVKYFSIDRVFRNETLDATHLAEFHQIEGVVADHGLTLGHLMGVLRE
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;

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Gene ID	2193
mRNA Refseq	NM_004461
Protein Refseq	NP_004452
MIM	602918
UniProt ID	Q9Y285

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