

Recombinant Human FARSA Protein, His-tagged

Cat. No. FARSA-1460H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FARSA Protein (Ala2-Ala283) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala2-Ala283
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
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35.4 kDa Accurate Molecular Mass: 35 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	FARSA phenylalanyl-tRNA synthetase, alpha subunit [Homo sapiens (human)]
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
mRNA Refseq	NM_004461

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Protein Refseq	NP_004452
MIM	602918
UniProt ID	Q9Y285

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