

Recombinant Mouse Farsb Protein, His-tagged

Cat. No. Farsb-1462M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Farsb Protein (Met1-Val222) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Val222
Description	Predicted to enable phenylalanine-tRNA ligase activity. Predicted to be involved in phenylalanyl-tRNA aminoacylation and protein heterotetramerization. Predicted to act upstream of or within translation. Predicted to be located in cytoplasm. Predicted to be part of phenylalanine-tRNA ligase complex. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; respiratory system; and sensory organ. Orthologous to human FARSB (phenylalanyl-tRNA synthetase subunit beta).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.2 kDa Accurate Molecular Mass: 32 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	Farsb phenylalanyl-tRNA synthetase, beta subunit [Mus musculus (house mouse)]
Official Symbol	Farsb
Synonyms	FARSB; phenylalanyl-tRNA synthetase, beta subunit; phenylalanine--tRNA ligase beta subunit; PheRS alpha; phenylalanine tRNA synthetase alpha; phenylalanine--tRNA ligase beta chain; phenylalanyl-tRNA synthetase beta chain; phenylalanine-tRNA synthetase-like, beta subunit; Frsb; Farsa; Farsl; C76708; Farslb;
Gene ID	23874
mRNA Refseq	NM_011811
Protein Refseq	NP_035941
UniProt ID	Q9WUA2

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