
Product Data Sheet

Product Name: FARSB Human

Cat. No.: GP21618

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms Phenylalanyl-TRNAsynthetase; Beta Subunit; FARSLB;FRSB; Phenylalanyl-TRNA Synthetase-Like; BetaSubunit; EC 6.1.1.20; PheRS; Phenylalanine-TRNA Synthetase-Like; Beta Subunit;Phenylalanine TRNA Ligase 1; Beta; Cytoplasmic; Phenylalanyl-TRNA SynthetaseBeta-Subunit; Phenylalanyl-TRNA Synthetase Beta Subunit; Phenylalanine--TRNALigase Beta Subunit; Phenylalanyl-TRNA Synthetase Beta Chain;Phenylalanine--TRNA Ligase Beta Chain; Phenylalanine-TRNA Ligase Beta Chain;Phenylalanine TRNA Ligase 1; Cytoplasmic; EC 6.1.1; HSPC173;PheHB;Beta;FARSB.

Amino Acid Sequence
 MGSSHHHHH SGLVPRGSH MGSMPVSVK RDLLFQALGR TYTDEEFDEL
 CFEFGLELDE ITSEKEIISK EQGNVKAAGA SDVVLYKIDV PANRYDLLCL
 EGLVRGLQVF KERIKAPVYK RVMPDGKIQK LIITEETAKI RPFVAVAVLR
 NIKFTKDRYD SFIELQEKLH QNICRKRALV AIGTHDLDTL SGPFTYTAKR
 PSDIKFKPLN KTKEYTACEL MNIYKTDNHL KHYLHIIENK PLYPVIYDSN
 GVVLSMPPII NGDHSRITVN TRNIFIECTG TDFTKAKIVL DIIVTMFSEY
 CENQFTVEAA EVVFPNGKSH TPELAYRKE MVRADLINKK VGIRETPENL
 AKLLTRMYLK SEVIGDGNQI EIEIPPTRAD IIHACDIVED AAIAYGYNNI
 QMTLPKTYTI ANQFPLNKLT ELLRHDMAAA GFTEALTFAL CSQEDIADKL
 GVDISATKAV HISNPKTAEF QVARTTLLPG LLKTIAANRK MPLPLKLF EI
 SDIVIKDSNT DVGAKNYRHL CAVYYNKNPG FEIIGLLDR IMQLLDVPPG
 EDKGGYVIKA SEGPAFFPGR CAEIFARGQS VGKLGVLHPD VITKFELTMP
 CSSLEINVGP FL

Formulation FARSB protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.

Introduction

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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FARSB, also known as Phenylalanyl-TRNAsynthetase Beta is a member of the phenylalanyl-tRNA synthetase betasubunit family. FARSB is composed tetramer of two alpha and two beta subunits. In the presence of ATP, this tetramer is accountable for attaching L-phenylalanine to the terminal adenosine of the appropriate tRNA.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

FARSB Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 612 amino acids (1-589 a.a) and having a molecular mass of 68.5kDa. FARSB is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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