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32-6743: FARSB Human

Alternative Name :	Phenylalanyl-TRNA Synthetase, Beta Subunit, FARSLB,FRSB, Phenylalanyl-TRNA Synthetase-Like, Beta Subunit, EC 6.1.1.20, PheRS, Phenylalanine-TRNA Synthetase-Like, Beta Subunit, Phenylalanine TRNA Ligase 1, Beta, Cytoplasmic, Phenylalanyl-TRNA Synthetase Beta-Subunit, Phenylalanyl-TRNA Synthetase Beta Subunit, Phenylalanine--TRNA Ligase 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.

Description

Source: Escherichia Coli.
Sterile Filtered colorless solution.
FARSB, also known as Phenylalanyl-TRNA Synthetase Beta is a member of the phenylalanyl-tRNA synthetase beta subunit 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.
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.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	FARSB protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMPTVSVK RDLLFQALGR TYTDEEFDEL CFEFGLELDE ITSEKEIISK EQGNVKAAGA SDVVLYKIDV PANRYDLLCL EGLVRGLQVF KERIKAPVYK RVMPDGKIQK LIITEETAKI RPFAVAAVLR NIKFTKDRYD SFIELQEKLH QNICRKRALV AIGTHDLDTL SGPFTYTAKR PSDIKFKPLN KTKEYTACEL MNIYKTDNHL KHYLHIIENK PLYPVIYDSN GVVLSMPPII NGDHSRITVN TRNIFIECTG TDFTKAKIVL DIIVTMFSEY CENQFTVEAA EVVFPNGKSH TFPELAYRKE MVRADLINKK VGIRETPENL AKLLTRMYLK SEVIGDGNQI EIEIPPTRAD IIHACDIVED AAIAYGYNNI QMTLPKTYTI ANQFPLNKLT ELLRHDMAAA GFTEALTFAL CSQEDIADKL GVDISATKAV HISNPKTAEF QVARTTLLPG LLKTIAANRK MPLPLKLFEI SDIVIKDSNT DVGAKNYRHL CAVYYNKNPG FEIIHGLLDR IMQLLDVPPG EDKGGYVIKA SEGPAFFPGR CAEIFARGQS VGKLGVLHPD VITKFELTMP CSSLEINVGP FL

For Research Use Only. Not for use in diagnostic/therapeutics procedures.