

## 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 MGSMPVSVK RDLLFQALGR TYTDEEFDEL CFEFGLELDE ITSEKEIISK  
EQGNVKAAGA SDVVLYKIDV PANRYDLLCL EGLVRGLQVF KERIKAPVYK RVMPDGKIQK LIITEETAKI  
RPFVAVALR NIKFTKDRYD SFIELQEKLH QNICRKRALV AIGTHDLDTL SGPFTYAKR PSDIKFKPLN  
KTKEYTACEL MNIYKTDNHL KHYLHIIENK PLYPVIYDSN GVVLSMPPII NGDHSRITVN TRNIFIETG  
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 FEIHHGLLDR IMQLLDVPPG EDKGGYVIKA  
SEGPAFFPGR CAEIFARGQS VGKLGVLHPD VITKFELTMP CSSLEINVGP FL