

Recombinant human FARSB protein

Catalog Number: ATGP2961

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-589aa

UniProt No.

Q9NSD9

NCBI Accession No.

NP_005678

Alternative Names

Phenylalanine--tRNA ligase beta subunit, FARSLB, FRSB, HSPC173, PheHB, PheRS

PRODUCT SPECIFICATION

Molecular Weight

68.5 kDa (612aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

FARSB also known as phenylalanine--tRNA ligase beta subunit. FARSB is composed tetramer of two alpha and two beta subunits. Recombinant human FARSB, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMPVSVK RDLLFQALGR TYTDEEFDEL CFEFGLELDE ITSEKEIISK EQGNVKAAGA
SDVVLYKIDV PANRYDLLCL EGLVRGLQVF KERIKAPVYK RVMPDGKIQK LIITEETAKI RPFVAVAVLR NIKFTKDRYD
SFIELQEKLH QNICRKRALV AIGTHDLDTL SGPFTYTAKR PSDIKFKPLN KTKEYTACEL MNIYKTDNHL KHYLHIENK

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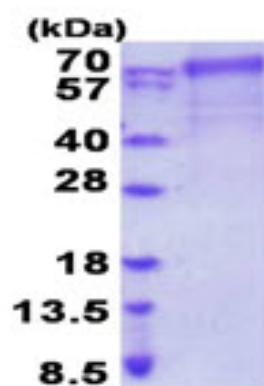
PLYPVIYDSN GVVLSMPPII NGDHSRITVN TRNIFIECTG TDFTKAKIVL DIIVTMFSEY CENQFTVEAA EVVFPNGKSH
TFPELAYRKE MVRADLINKK VGIRETPENL AKLLTRMYLK SEVIGDGNQI EIEIPPTRAD IIHACDIVED AAIAYGYNNI
QMTLPKTYTI ANQFPLNKL ELLRHDMAAA GFTEALTFAL CSQEDIADKL GVDISATKAV HISNPKTAEF QVARTLLPG
LLKTIAANRK MPLPLKLF EI SDIVIKDSNT DVGAKNYRHL CAVYYNKNPG FEIHHGLLDR IMQLLDVPPG EDKGGYVIKA
SEGPAFFPGR CAEIFARGQS VGKLGVLHPD VITKFELTMP CSSLEINVGP FL

General References

Rodova M. et al. (1999) Biochem. Biophys. Res. Commun. 255:765-773

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)