

Recombinant human RPS19 protein

Catalog Number: ATGP2193

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-145aa

UniProt No.

P39019

NCBI Accession No.

NP_001013.1

Alternative Names

40S ribosomal protein S19, ribosomal protein S19, DBA, DBA1, S19

PRODUCT SPECIFICATION

Molecular Weight

18.4 kDa (168aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2mM DTT

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

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

RPS19 belongs to the S19E family of ribosomal proteins. It is located in the cytoplasm. Mutations in this gene cause Diamond-Blackfan anemia (DBA), a constitutional erythroblastopenia characterized by absent or decreased erythroid precursors, in a subset of patients. This suggests a possible extra-ribosomal function for this gene in erythropoietic differentiation and proliferation, in addition to its ribosomal function. Higher expression levels of this gene in some primary colon carcinomas compared to matched normal colon tissues has been observed. Recombinant human RPS19 protein, fused to His-tag at N-terminus, was expressed in E. coli and

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purified by using conventional chromatography techniques.

Amino acid Sequence

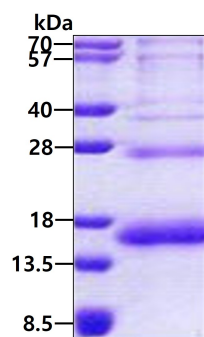
<MGSSHHHHHH SSGLVPRGSH MGS>MPGVTVK DVNQQEFVRA LAAFLKKS GK LKVPEWVDTV KLAHKELAP
YDENWFYTRA ASTARHLYLR GGAGVGSMTK IYGGRQRNGV MPSHF SRGSK SVARRVLQAL EGLKMVEKDQ
DGGRKLTPQG QRDL DRIAGQ VAAANKKH

General References

Kenmochi N, Kawaguchi T, Rozen S, et al.(1998) Genome Res 8 (5): 509-23.

DATA

SDS-PAGE



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