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Recombinant human RPL23A protein

Catalog Number: ATGP2102

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-156aa

UniProt No.

P62750

NCBI Accession No.

NP 000975

Alternative Names

Ribosomal protein L23a, L23A, MDA20

PRODUCT SPECIFICATION

Molecular Weight

20.1 kDa (179aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 250mM imidazole

Purity

> 80% 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

Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. RPL23A is a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L23P family of ribosomal proteins. It is located in the cytoplasm. The protein may be one of the target molecules involved in mediating growth inhibition by interferon. In yeast, the corresponding protein binds to a specific site on the 26S rRNA. Recombinant human RPL23A protein, fused to His-tag at N-terminus, was expressed in E. coli



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and purified by using conventional chromatography techniques.

Amino acid Sequence

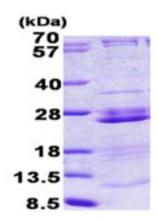
MGSSHHHHHH SSGLVPRGSH MGSMAPKAKK EAPAPPKAEA KAKALKAKKA VLKGVHSHKK KKIRTSPTFR RPKTLRLRRQ PKYPRKSAPR RNKLDHYAII KFPLTTESAM KKIEDNNTLV FIVDVKANKH QIKQAVKKLY DIDVAKVNTL IRPDGEKKAY VRLAPDYDAL DVANKIGII

General References

Choudhary C., et al. (2009) Science. 325:834-840 Wang B., et al. (2008) Anal. Chem. 80:9526-9533

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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

