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Recombinant human RPS12 protein

Catalog Number: ATGP2124

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-132aa

UniProt No.

P25398

NCBI Accession No.

NP 001007

Alternative Names

40S ribosomal protein S12, S12

PRODUCT SPECIFICATION

Molecular Weight

16.9 kDa (155aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol

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

RPS12 is a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S12E family of ribosomal proteins. It is located in the cytoplasm. Increased expression of this gene in colorectal cancers compared to matched normal colonic mucosa has been observed. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Recombinant human RPS12 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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Amino acid Sequence

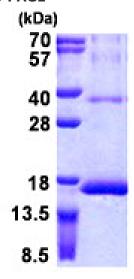
MGSSHHHHHH SSGLVPRGSH MGSMAEEGIA AGGVMDVNTA LQEVLKTALI HDGLARGIRE AAKALDKRQA HLCVLASNCD EPMYVKLVEA LCAEHQINLI KVDDNKKLGE WVGLCKIDRE GKPRKVVGCS CVVVKDYGKE SQAKDVIEEY FKCKK

General References

Yoshihama M, uechi T, et al. (2002). Genome Res.12(3):379-90. Yu Y, Ji H, Doudna JA, et al. (2005). Protein Sci. 14(6):1438-46.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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

