

AR50651PU-N

Human RPS5 (1-204, His-tag) - Purified

Alternate names:

40S ribosomal protein S5

Quantity:

0.25 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

40S ribosomal protein S5, also known as RPS5, is a ribosomal protein. Ribosomes, the organelles that catalyze protein synthesis, are composed of a small subunit and a large subunit that consist of over 80 distinct ribosomal proteins. RPS5 is a 204 amino acid component of the 40S complex. It exists as multiple processed pseudogenes that are scattered throughout the genome. RPS5 is expressed at variable amounts in colorectal cancer cells, suggesting a possible role in carcinogenesis.

Uniprot ID:

[P46782](#)

NCBI:

[NP_001000](#)

GeneID:

[6193](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT

Description:

Recombinant human RPS5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMTWETA APAVAETPDI KLFQKSTDD VQINDISLQD
YIAVKEYAK YLPHSAGRYA AKRFRKAQCP IVERLTNSMM MHGRNNGKKL MTRIVKHAF
EIIHLLTGEN PLQVLNII NSGPREDSTR IGRAGTVRRQ AVDSPLRRV NQAIWLLCTG
AREAARNIK TIAECLADEL INAAKGSSNS YAIKKKDELE RYAKSNR

Molecular weight: 25.3 Da (227aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

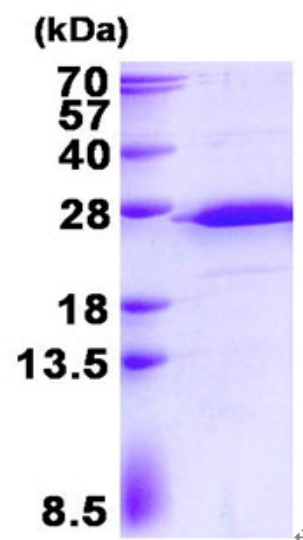
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Galkin O., et al. (2007) RNA. 13:2116-2128 Matraqkou C N., et al. (2008) J Cell Biochem. 104:1477-1490.

Pictures:



15% SDS-PAGE (3ug)