

Product information



RPS5, 1-204aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1827

Full name: 40S ribosomal protein S5

NCBI Accession No.: NP_001000

Synonyms: S5

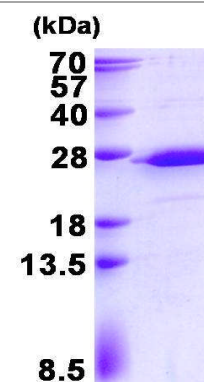
Description: 40S ribosomal protein S5, also known as RPS5, is a ribosomal protein. Ribosomes, the organelles that catalyze protein synthesis, are composed of a small subunit and a large subunit that consist of over 80 distinct ribosomal proteins. RPS5 is a 204 amino acid component of the 40S complex. 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. Recombinant human RPS5 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl,
50% glycerol, 2mM DTT

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

Purity: > 90% by SDS - PAGE

Concentration: 0.25 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMTWETA APAVAETPDI KLFGKWSTDD VQINDISLQD YIAVKEYAK YLPHSAGRYA AKRFRKAQCP
IVERLTNSMM MHGRNNGKKL MTRIVKHAF EIIHLLTGEN PLQVLNAIL NSGPREDSTR IGRAGTVRRQ AVOVSPLRRV NQAIWLLCTG
AREAAFRNIK TIAECLADEL INAAKGSSNS YAIKKKDELE RVAKSNR

General references:

Galkin O., *et al.* (2007) *RNA*. 13:2116-2128

Matraqkou C N., *et al.* (2008) *J Cell Biochem*. 104:1477-1490.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com