

Product information



RPS13, 1-151aa

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

Cat. No. IBATGP2079

Full name: 40S ribosomal protein S13

NCBI Accession No.: NP_001008

Synonyms: S13

Description: 40S ribosomal protein S13, also known as RPS13, belongs to the ribosomal protein S15P family. Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. RPS13 is located in the cytoplasm and contains multiple phosphorylated residues. Like most ribosomal proteins, Ribosomal Protein S13 exists as multiple processed pseudogenes that are scattered throughout the genome. Recombinant human RPS13 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

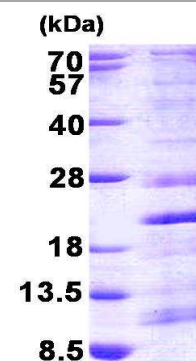
Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl,

50% glycerol, 2mM DTT

Molecular Weight: 19.6kDa (174aa) confirmed by MALDI-TOF

Purity: > 80% by SDS - PAGE

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



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMDRMHAP GKGLSQSALP YRRSVPTWLK LTSDDVKEQI YKLAKKGLTP SQIGVILRDS HGVAQVRFTV
GNKILRILKS KGLAPDLPED LYHLIKKAVA VRKHLERNRK DKDAKFRLLI IESRIHRLAR YYKTKRVLPP NWKYESSTAS ALVA

General references:

Shi Y., *et al.* (2004) *Exp Cell Res.* 296:337-346

Malygin A., *et al.* (2005) *Biochim Biophys Acta.* 1747:93-97.

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.



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