

Recombinant Human RPS10, His-tagged

Cat. No. RPS10-7587H Lot. No. (See product label)

SPECIFICATION

| | |
|----------------------------|---|
| Product Overview | Recombinant human RPS10 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 1-165aa |
| Antigen 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. RPS10 is a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S10E family of ribosomal proteins. It is located in the cytoplasm. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. |
| Form | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT. |
| Molecular Mass | 21 kDa (188aa) confirmed by MALDI-TOF |
| AA Sequence | MGSSHHHHHH SSGLVPRGSH MGSMLMPKKN RIAIYELLFK EGVMVAKKDV |

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HMPKHPELAD KNVPNLHVMK AMQSLKSRGY VKEQFAWRHF YWYLTNEGIQ
 YLRDYLHLPP EIVPATLRRS RPETGRPRPK GLEGERPARL TRGEADRDTY
 RRSVPPGAD KKAEGAGASA TEFQFRGGFG RGRGQPPQ

Purity >85% as determined by SDS - PAGE

Applications SDS-PAGE

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.

Concentration 0.5 mg/ml

GENE INFORMATION

Gene Name [RPS10?ribosomal protein S10 \[?Homo sapiens?\]](#)

Official Symbol RPS10

Synonyms RPS10; S10; DBA9; 40S ribosomal protein S10; ribosomal protein S10; MGC88819

Gene ID [6204](#)

mRNA Refseq [NM_001014](#)


Protein Refseq [NP_001005](#)

MIM [603632](#)

UniProt ID [P46783](#)

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**Chromosome
Location**

6p21.31

Pathway

Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S; Cap-dependent Translation Initiation; Cytoplasmic Ribosomal Proteins

Function

protein binding

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