Recombinant Full Length Human RPS3 protein, His-tagged

Cat. No. RPS3-30468TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RPS3(1-243aa) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-243 a.a.
Description	40S ribosomal protein S3, also known as RPS3, belongs to the S3P family of ribosomal proteins. RPS3 mediates the formation of the mRNA binding site 3' of the codon in the decoding site. In addition, RPS3 is involved in DNA damage recognition as shown by its affinity for abasic sites and 7, 8-dihydro-8-oxoguanine residues and its interaction with human base excision repair proteins OGG1 and Ref-1. Higher levels of expression of this gene in colon adenocarcinomas and adenomatous polyps compared to adjacent normal colonic mucosa have been observed.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl
Molecular Mass	28.8 kDa (Molecular weight on SDS-PAGE will appear higher)
Purity	> 90% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing

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	cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	RPS3 ribosomal protein S3 [Homo sapiens]
Official Symbol	RPS3
Synonyms	RPS3; ribosomal protein S3; 40S ribosomal protein S3; FLJ26283; FLJ27450; IMR 90 ribosomal protein S3; MGC87870; S3; IMR-90 ribosomal protein S3;
Gene ID	6188
mRNA Refseq	NM_001005
Protein Refseq	NP_000996
MIM	600454
UniProt ID	P23396
Chromosome Location	11q13.3-q13.5
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; Disease, organism-specific biosystem; Eukaryotic Translation Elongation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-

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	specific biosystem; Eukaryotic Translation Termination, organism-specific biosystem;
Function	DNA-(apurinic or apyrimidinic site) lyase activity; NF-kappaB binding; damaged DNA binding; endonuclease activity; iron-sulfur cluster binding; mRNA binding; protein binding; protein kinase binding; structural constituent of ribosome; structural constituent of ribosome;

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