

Recombinant Human ribosomal protein S18, His-tagged

Cat. No. RPS18-297H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RPS18, 1-152aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-152 a.a.
Description	40S ribosomal protein S18, also known as RPS18, belongs to the ribosomal protein S13P family. Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. RPS18 is a known binding partner of Cofilin and has been suggested to be a novel substrate for CaMKII. Recombinant human RPS18 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	20.1 kDa (175aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSM SLVIPE KFQHILRVLN TNIDGRRKIA FAITAIKGVG RRYAHVVLRK ADIDLTKRAG ELTEDEVERV ITIMQNPRQY KIPDWFLNRQ KDVKDGKYSQ VLANGLDNKL REDLERLKKI RAHRGLRHFHW GLRVRGQHTK TTGRRGRVTG VSKKK
Purity	>90% by SDS - PAGE

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Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	RPS18 ribosomal protein S18 [Homo sapiens]
Official Symbol	RPS18
Synonyms	RPS18; ribosomal protein S18; D6S218E; 40S ribosomal protein S18; HKE3; KE 3; KE3; S18; rhabdomyosarcoma antigen MU-RMS-40.21; KE-3; MGC117351; MGC126835; MGC126837;
Gene ID	6222
mRNA Refseq	NM_022551
Protein Refseq	NP_072045
MIM	180473
UniProt ID	P62269
Chromosome Location	6p21.3
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-

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specific biosystem; Disease, organism-specific biosystem; Eukaryotic Translation Elongation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Eukaryotic Translation Termination, organism-specific biosystem;

Function

RNA binding; molecular_function; rRNA binding; structural constituent of ribosome;

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