Recombinant Human Ribosomal Protein S7, His-tagged

Cat. No. RPS7-6858H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RPS7 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 24.7 kDa.
Species	Human
Source	E.coli
ProteinLength	1-194aa
Description	RPS7 belongs to the S3P family of ribosomal proteins and is located in the cytoplasm. RPS7 may play a role in ribosomal stress, linking ribosome biogenesis to cell death or cell cycle arrest. Also, RPS7 interacts with MDM2 and is believed to negatively regulate the MDM2-mediated degradation of p53.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 30% glycerol, 1mM DTT.
Molecular Mass	24.7 kDa (218aa), confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMFSSSA KIVKPNGEKP DEFESGISQA LLELEMNSDL KAQLRELNIT AAKEIEVGGG RKAIIIFVPV PQLKSFQKIQ VRLVRELEKK FSGKHVVFIA QRRILPKPTR KSRTKNKQKR PRSRTLTAVH DAILEDLVFP SEIVGKRIRV KLDGSRLIKV HLDKAQQNNV EHKVETFSGV YKKLTGKDVN FEFPEFQL

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Purity	>90% 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 (determined by Bradford assay)

GENE INFORMATION

Gene Name	RPS7 ribosomal protein S7 [Homo sapiens]
Official Symbol	RPS7
Synonyms	RPS7; ribosomal protein S7; 40S ribosomal protein S7; S7; DBA8;
Gene ID	6201
mRNA Refseq	NM_001011
Protein Refseq	NP_001002
MIM	603658
UniProt ID	P62081
Chromosome Location	2p25
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

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	Initiation, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-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; protein binding; structural constituent of ribosome;

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