

Recombinant Human Ribosomal Protein S7, His-tagged

Cat. No. RPS7-4752H **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.
Species	Human
Source	Human
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 Weight	24.7 kDa (218aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGSHMFSSSA KIVKPNGEKP DEFESGISQA LLELEMNSDL KAQLRELNIT AAKEIEVGGG RKAIIFVPV PQLKSFQKIQ VRLVRELEKK FSGKHVVFA QRRILPKPTR KSRTKNKQKR PRSRTLTAHV DAILEDLVFP SEIVGKRIRV KLDGSRLIKV HLDKAQQNNV EHKVETFSGV

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YKKLTGKDVN FEFPEFQL

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.

Pathways

Cap-dependent Translation Initiation; Cytoplasmic Ribosomal Proteins; Diabetes pathways; Eukaryotic Translation Elongation; Eukaryotic Translation Initiation; Eukaryotic Translation Termination; Formation of a pool of free 40S subunits; Gene Expression; Influenza Infection; Influenza Life Cycle; Peptide chain elongation; Ribosome; Translation; Viral mRNA Translation

GENE INFORMATION

Gene Name

RPS7 ribosomal protein S7 [Homo sapiens]

Official Symbol

RPS7

Synonyms

RPS7; S7; DBA8; ribosomal protein S7; 40S ribosomal protein S7; OTTHUMP00000115354; OTTHUMP00000200056; OTTHUMP00000200057; OTTHUMP00000200058; EC 3.6.5.3

Gene ID

6201

mRNA Refseq

NM_001011

Protein Refseq

NP_001002

MIM

603658

UniProt ID

P62081

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Chromosome Location	2p25
Function	RNA binding; protein binding; structural constituent of ribosome