Recombinant Human RPS7, His-tagged

Cat. No. RPS7-30471TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-194 of Human RPS7, with an N-terminal His tag, 218aa, 24.7 kDa.
Species	Human
Source	E.coli
ProteinLength	194 amino acids
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. This gene encodes a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S7E family of ribosomal proteins. It is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
Conjugation	HIS
Molecular Weight	24.700kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 0.58% Sodium chloride, 30% Glycerol, 0.02% DTT
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMGSHMFSSSAKIVKPNGEKP DEFESGISQALLELE MNSDLKAQLRELNITAAKEIEVGGG RKAIIIFVPVPQLKSFQKIQVRLVRELEKKFSGK HVVFIA QRRILPKPTRKSRTKNKQKRPRSRTLTAVHDAILEDLVFP SEIVGKRIRVKL DGSRLIKVHLDKAQQNNVEHKVETFSGV YKKLTGKDVNFEFPEFQL
Sequence Similarities	Belongs to the ribosomal protein S7e family.

GENE INFORMATION

Gene Name	RPS7 ribosomal protein S7 [Homo sapiens]
Official Symbol	RPS7
Synonyms	RPS7; ribosomal protein S7; 40S ribosomal protein S7; S7;
Gene ID	6201
mRNA Refseq	NM_001011
Protein Refseq	NP_001002
MIM	603658
Uniprot ID	P62081

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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 Initiation, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Diabetes pathways, organism-specific biosystem;
Function	RNA binding; protein binding; structural constituent of ribosome;

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