

Recombinant Human ribosomal protein S16, His-tagged

Cat. No. RPS16-257H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RPS16, 1-146aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-146 a.a.
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. RPS16 is a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S9P 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. Recombinant human RPS16 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	18.8kDa (169aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPSKGPL QSVQVFGRKK TATAVAHCKR GNGLIKVNGR PLEMIEPRTL QYKLLEPVLL LGKERFAGVD IRVRVKGGGH VAQIYAIRQS ISKALVAYYQ KYVDEASKKE IKDILIQYDR TLLVADPRRC ESKKFGGPGA RARYQKSYR

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Purity	>90% by SDS - PAGE
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	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	RPS16?ribosomal protein S16 [?Homo sapiens?(human)]
Official Symbol	RPS16
Synonyms	RPS16; S16; ribosomal protein S16; 40S ribosomal protein S16
Gene ID	6217
mRNA Refseq	NM_001020
Protein Refseq	NP_001011
MIM	603675
UniProt ID	P62249
Chromosome Location	19q13.1
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S; Eukaryotic Translation Elongation; Formation of a pool of free 40S subunits

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Function

RNA binding; poly(A) RNA binding; structural constituent of ribosome

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