

Recombinant Human RPS14 protein, His-tagged

Cat. No. RPS14-3455H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human RPS14(1-151aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-151 a.a.
Description	Ribosomal protein S14, also known as RPS14, is a ribosomal protein. Ribosomes, the organelles that catalyze protein synthesis, are composed of a small subunit and a large subunit that consist of over 80 distinct ribosomal proteins. RPS14 is a component of the 40S subunit that localized to the cytoplasm.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 100mM NaCl
Molecular Mass	18.7 kDa (174aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSESSPYAAMLA AQDVAQRCKE LGITALHIKL RATGGNRTKT PGPGAQSALR ALARSGMKIG RIEDVTPIPS DSTRRKGGRR GRRL MAPRKGK EKKEEQVISL GPQVAEGENV FGVCHIFASF NDTFVHVTDL SGKETICRVT GGMKVKADR
Purity	>80% by SDS - PAGE

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Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name RPS14 ribosomal protein S14 [Homo sapiens]

Official Symbol RPS14

Synonyms RPS14; ribosomal protein S14; 40S ribosomal protein S14; emetine resistance; EMTB; S14;

Gene ID 6208

mRNA Refseq NM_001025070

Protein Refseq NP_001020241

MIM 130620

UniProt ID P62263

Chromosome Location 5q31-q33

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; mRNA 5-UTR binding; structural constituent of ribosome; translation regulator activity;

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