

Recombinant Human ribosomal protein S24, His-tagged

Cat. No. RPS24-255H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RPS24, 1-130aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-130 a.a.
Description	40S ribosomal protein S24 isoform a, also known as RPS24, belongs to the S24E family of ribosomal proteins. It is located in the cytoplasm. Multiple transcript variants encoding different isoforms have been found for this gene. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Mutations in this gene result in Diamond-Blackfan anemia. Recombinant human RPS24 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT
Molecular Mass	17.5kDa (153aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMNDTVTI RTRKFMTNRL LQRKQMVIDV LHPGKATVPK TEIREKLAKM YKTPDVIVF FGFRTHFGGG KTTGFGMIYD SLDYAKKNEP KHRLARHGLY EKKKTSRKQR KERKNRMKKV RGTAKANVGA GKK

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Purity	>85% 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	0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	RPS24 ribosomal protein S24 [Homo sapiens]
Official Symbol	RPS24
Synonyms	RPS24; ribosomal protein S24; 40S ribosomal protein S24; S24; DBA3; DKFZp686N1586;
Gene ID	6229
mRNA Refseq	NM_001026
Protein Refseq	NP_001017
MIM	602412
UniProt ID	P62847
Chromosome Location	10q22
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

nucleotide binding; structural constituent of ribosome; translation initiation factor binding;

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