

Recombinant Human ribosomal protein L23a, His-tagged

Cat. No. RPL23A-587H Lot. No. (See product label)

SPECIFICATION

Product Overview	RPL23A, 1-156aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-156 a.a.
Description	<p>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. RPL23A is a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L23P family of ribosomal proteins. It is located in the cytoplasm. The protein may be one of the target molecules involved in mediating growth inhibition by interferon. In yeast, the corresponding protein binds to a specific site on the 26S rRNA. Recombinant human RPL23A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.</p>
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 250mM imidazole
Molecular Mass	20.1kDa (179aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMAPKAKK EAPAPPKAEA KAKALKAKKA VLKGVHSHKK KKIRTSPTR RPKTLRLRRQ PKYPRKSAPR RNKLDHYAII

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KFPLTTESAM KKIEDNNTLV FIVDVKANKH QIKQAVKKLY DIDVAKVNTL
IRPDGEKKAY VRLAPDYDAL DVANKIGII

Purity >80% 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 [RPL23A ribosomal protein L23a \[Homo sapiens \]](#)

Official Symbol RPL23A

Synonyms RPL23A; ribosomal protein L23a; 60S ribosomal protein L23a; L23A; melanoma differentiation-associated gene 20; MDA20; FLJ27455;

Gene ID [6147](#)

mRNA Refseq [NM_000984](#)

Protein Refseq [NP_000975](#)

MIM [602326](#)

UniProt ID [P62750](#)

Chromosome Location 17q11.2

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Pathway

Cap-dependent Translation Initiation, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; Disease, organism-specific biosystem; Eukaryotic Translation Elongation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Eukaryotic Translation Termination, organism-specific biosystem; Formation of a pool of free 40S subunits, organism-specific biosystem;

Function

nucleotide binding; protein binding; rRNA binding; structural constituent of ribosome;

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