

Recombinant Human RPL23A

Cat. No. RPL23A-30439TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RPL23A with N terminal proprietary tag; Predicted MW 43.23 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	156 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 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. This gene is co-transcribed with the U42A, U42B, U101A, and U101B small nucleolar RNA genes, which are located in its third, first, second, and fourth introns, respectively. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
Molecular Weight	43.230kDa inclusive of tags
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAPKAKKEAPAPPKAEAKAKALKAKKAVLKGVHSHKKKKI RTSPTFRRPKTLRLRR QPKYPRKSAPRRNKLDHYAIIKFP LTTESAMKKIEDNNTLVFIVDVKANKHQIKQAVK KLYDID VAKVNTLIRPDGEKKAYVRLAPDYDALDVANKIGII
Sequence Similarities	Belongs to the ribosomal protein L23P family.

GENE INFORMATION

Gene Name	RPL23A ribosomal protein L23a [Homo sapiens]
Official Symbol	RPL23A
Synonyms	RPL23A; ribosomal protein L23a; 60S ribosomal protein L23a; L23A;
Gene ID	6147
mRNA Refseq	NM_000984
Protein Refseq	NP_000975
MIM	602326
Uniprot ID	P62750

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Chromosome Location	17q11.2
Pathway	Cap-dependent Translation Initiation, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Eukaryotic Translation Elongation, organism-specific biosystem;
Function	nucleotide binding; protein binding; rRNA binding; structural constituent of ribosome;

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