

Recombinant Human ribosomal protein L7a, His-tagged

Cat. No. RPL7A-663H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RPL7A, 1-266aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-266 a.a.
Description	Cytoplasmic ribosomes, 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. RPL7A is a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L7AE family of ribosomal proteins. It can interact with a subclass of nuclear hormone receptors, including thyroid hormone receptor, and inhibit their ability to transactivate by preventing their binding to their DNA response elements. Recombinant human RPL7A protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Molecular Mass	32.4kDa (289aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPKGKKA KGKKVAPAPA VVKKQEAKKV VNPLFEKRPK NFGIGQDIQP KRDLTRFVKW PRYIRLQRQR AILYKRLKVP PAINQFTQAL DRQTATQLLK LAHKYRPETK QEKKQRLLAR AEKKAAGKGD VPTKRPPVLR AGVNTVTTLV ENKKAQLVVI AHDVDPIELV VFLPALCRKM

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GVPYCIKGGK ARLGRLVHRK TCTTVAFTQV NSEDKGALAK LVEAIRTNYN
 DRYDEIRRHG GGNVLGPKSV ARIAKLEKAK AKELATKLG

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 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [RPL7A ribosomal protein L7a \[Homo sapiens \]](#)

Official Symbol RPL7A

Synonyms RPL7A; ribosomal protein L7a; 60S ribosomal protein L7a; ; L7A; PLA X polypeptide; SURF3; surfeit 3; surfeit locus protein 3; thyroid hormone receptor uncoupling protein; TRUP; PLA-X polypeptide;

Gene ID [6130](#)

mRNA Refseq [NM_000972](#)

Protein Refseq [NP_000963](#)

MIM [185640](#)

UniProt ID [P62424](#)

Chromosome Location 9q34

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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

RNA binding; protein binding; structural constituent of ribosome;

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