

Recombinant human RPL7A protein

Catalog Number: ATGP2886

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-266aa

UniProt No.

P62424

NCBI Accession No.

NP_000963

Alternative Names

60S ribosomal protein L7a, 60S ribosomal protein L7a, L7A, SuRF3, TRuP

PRODUCT SPECIFICATION

Molecular Weight

32.4 kDa (289aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMPKGKKA KGKKVAPAPA VVKKQEAKKV VNPLFEKRPK NFGIGQDIQP KRDLTRFVKW
PRYIRLQRQR AILYKRLKVP PAINQFTQAL DRQTATQLL LAHKYRPETK QEKQRLAR AEKKAAGKGD VPTKRPPVLR
AGVNTVTTLV ENKKAQLVVI AHDVDPIELV VFLPALCRKM GVPYCIKKGK ARLGRLVHRK TCTTVAFTQV NSEDKGALAK
LVEAIRTNYN DRYDEIRRHG GGNVLGPKSV ARIAKLEKAK AKELATKLG

General References

Zheng,S.E.,et al. (2009) J. Cancer Res. Clin. Oncol. 135 (8), 1025-1031

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)