

Recombinant human RPP30 protein

Catalog Number: ATGP0821

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-268aa

UniProt No.

P78346

NCBI Accession No.

NP_006404

Alternative Names

Ribonuclease P protein subunit p30, RNASEP2, TSG15

PRODUCT SPECIFICATION

Molecular Weight

31.8 kDa (291aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 5mM DTT, 200mM NaCl, 1mM EDTA

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

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

RPP30 (Ribonuclease P protein subunit p30) belongs to the eukaryotic/archaeal RNase P protein component 3 family. RPP30 is component of ribonuclease P, a protein complex that generates mature tRNA molecules by cleaving their 5'-ends. Ribonuclease P (RNase P) is small nuclear ribonucleoproteins (snRNPs) that act on RNA substrates in vitro. Also, RNase P accumulates in the nucleolus, have a similar RNA component and also have several protein subunits in common. Recombinant human RPP30 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

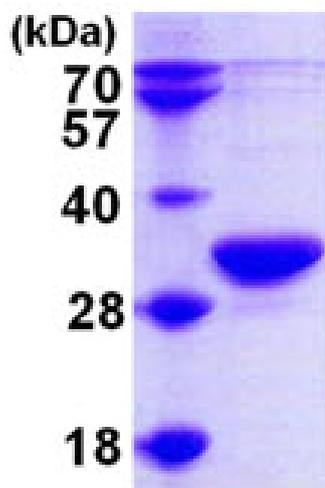
<MGSSHHHHHH SSGLVPRGSH MGS>MAVFADL DLRAGSDLKA LRGLVETA AH LGYSVVAINH IVDFKEKKQE
IEKPVAVSEL FTTLPIVQ GK SRPIKILTRL TIIVSDPSHC NVLRATSSRA RLYDVVAVFP KTEKLFHIAC THLDVDLVCI
TVTEKLPFYF KRPPINVAID RGLAFELVYS PAIKDSTMRR YTISSALNLM QICKGKNVII SAAERPLEI RGPYDVANLG
LLFGLSESDA KAAVSTNCRA ALLHGETRKT AFGIISTVKK PRPSEGDEDC LPASKKAKCE G

General References

Kurz, J.C., et al. (2000) *Curr. Opin. Chem. Biol.* 4: 553-558.
van Eenennaam, H., et al. (2001) *Mol. Biol. Cell.* 12: 3680-3689.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)