

# Recombinant human POP7 protein

Catalog Number: ATGP2749

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-140aa

### UniProt No.

O75817

### NCBI Accession No.

NP\_005828

### Alternative Names

Ribonuclease P protein subunit p20, 0610037N12Rik, RPP2, RPP20

## PRODUCT SPECIFICATION

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### Molecular Weight

18.3 kDa (165aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 2mM DTT, 2mM 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

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### Description

POP7 belongs to the histone-like Alba family. This protein is a component of ribonuclease P, a protein complex that generates mature tRNA molecules by cleaving their 5'-ends. Recombinant human POP7 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSEFMAENR EPRGAVEAEL DPVEYTLRKR LPSRLPRRPN DIYVNMKTFD KAQLARCQKL LDGGARGQNA CSEIYHGLG LAINRAINIA LQLQAGSFGS LQVAANTSTV ELVDELEPET DTREPLTRIR NNSAIHIRVF RVTPK

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## General References

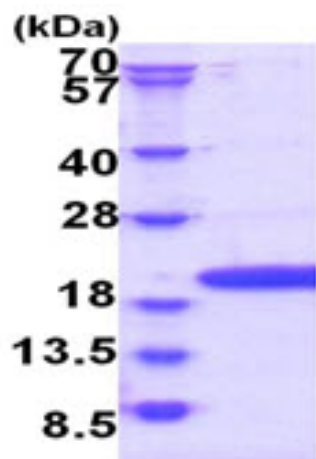
Hands-Taylor, K.L., et al. (2010) *Nucleic Acids Res.* 38 (12), 4052-4066

Andersen, J.S., et al. (2005) *Nature* 433 (7021), 77-83

## DATA

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### SDS-PAGE



15% SDS-PAGE (3ug)

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