

# Recombinant human SRP14 protein

Catalog Number: ATGP0799

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-136aa

### UniProt No.

P37108

### NCBI Accession No.

NP\_003125.2

### Alternative Names

Signal recognition particle 14 kDa protein, Signal recognition particle 14 kDa protein, DKFZp468D2027

## PRODUCT SPECIFICATION

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### Molecular Weight

17.1 kDa (160aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

### Purity

> 85% 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

SRP14 is a ribonucleoprotein complex that mediates the targeting of proteins to the endoplasmic reticulum. The Alu domain of SRP comprises the heterodimer of the SRP9 and SRP14 proteins, which are bound to the 5' and 3' terminal sequences of SRP RNA. SRP9/14 binding may be crucial to the transcription, maturation, nucleolus localization and transport of SRP RNA. Recombinant human SRP14 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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## Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSHMVLLES EQFLTELTRL FQKCRITSGSV YITLKKYDGR TKPIPKKGTV EGFEPADNKC  
LLRATDGKKK ISTVVSSKEV NKFQMAYSNL LRANMDGLKK RDKKNKTKT KAAAAAAAAA PAAAATAATT AATTAATAAQ

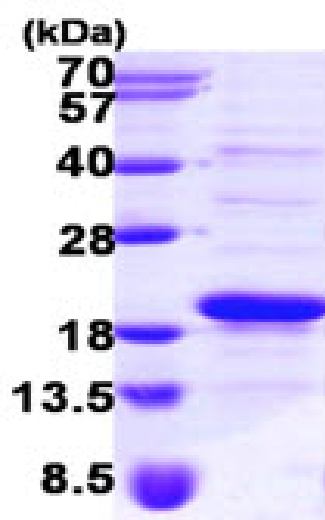
## General References

Chang D.Y., et al. (1994), Mol. Cell. Biol, 14:3949-3959.

Hsu K., et al. (1995). J. Biol. Chem., 270:10179-10186

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)