Recombinant human SRP14 protein

Catalog Number: ATGP0799

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-136aa

UniProt No.
P37108

NCBI Accession No.
NP_003125.1

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

PRODUCT SPECIFICATION

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

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

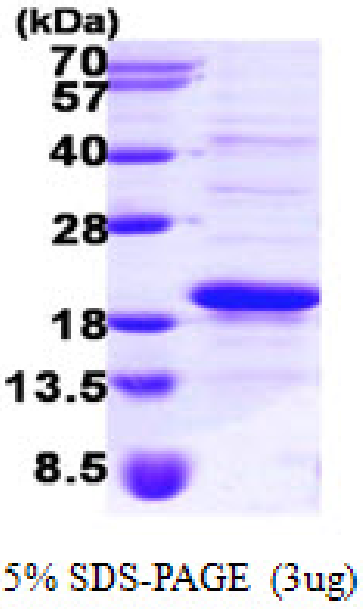
<MGSSHHHHHH SSGLVPRGSH MGSH>MVLLES EQFLTELTRL FQKCRTSGSV YITLKKYDGR TKPIPKKGTV EGFEPADNKC LLRATDGKKK ISTVVSSKEV NKFQMAYSNL LRANMDGLKK RDKKNKTKKT KAAAAAAAAA PAAAATAATT AATTAATAAQ

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



15% SDS-PAGE (3ug)

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