

Product information

SRP14, 1-136aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0799

Full name: Signal recognition particle 14 kDa protein

NCBI Accession No.: NP_003125.2

Synonyms: DKFZp468D2027

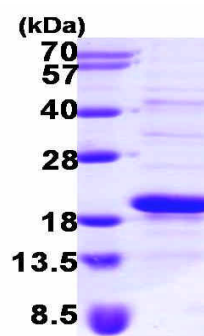
Description: SRP14 is a ribonucleoprotein complex that mediates the targeting of proteins to the endoplasmic reticulum. The "Alu domain" of SRP comprises the heterodimer of the SRP9 and SRP14 proteins, which are bound to the 5' and 3' terminal sequences of SRP RNA. SRP9/14 binding may be crucial to the 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.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol
0.1M NaCl, 1mM DTT

Molecular Weight: 17.1 kDa (160aa) confirmed by MALDI-TOF
(molecular size on SDS-PAGE will appear higher)

Purity: > 85% by SDS - PAGE

Concentration: 1.0 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSSLVPRGSH MGSHEMLLES EQFLTELTRL FQKCRITSGSV YITLKKYDGR TKPIPKKGTV EGFEPADNKC LLRATDGKKK
ISTVSSKEV NKFMAYSNL LRLNMDGLKK RDKKNKTKT KAAAAAAAAA PAAATAATT 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

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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