

Recombinant Human SRP14, His-tagged

Cat. No. SRP14-2882H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SRP14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
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.
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMVLLES EQFLTELTRL FQKCRTSGSV YITLKKYDGR TKPIPKKGTV EGFEPADNKC LLRATDGKKK ISTVVSSKEV NKFQMAYSNL LRANMDGLKK RDKKNKTKKT KAAAAAAAAA PAAAATAATT AATTAATAAQ.
Purity	> 85% by SDS – PAGE.
MW	17.1 kDa (160aa) confirmed by MALDI-TOF.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT.
Concentration	1mg/ml (determined by Bradford assay).

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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.

GENE INFORMATION
Gene Name

SRP14 signal recognition particle 14kDa (homologous Alu RNA binding protein) [Homo sapiens]

Synonyms

SRP14; signal recognition particle 14kDa (homologous Alu RNA binding protein); ALURBP; MGC14326; SRP14; 18 kDa Alu RNA-binding protein; signal recognition particle 14 kDa protein

Gene ID

6727

mRNA Refseq

NM_003134

Protein Refseq

NP_003125

MIM

600708

UniProt ID

P37108

**Chromosome
Location**

15q22

Pathway

Protein export; Diabetes pathways

Function

7S RNA binding; RNA binding; endoplasmic reticulum signal peptide binding; protein binding

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