
Product Data Sheet

Product Name: SRP14 Human
 Cat. No.: GP24700
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Signal recognition particle 14 kDa protein; SRP14; 18 kDa Alu RNA-binding protein; ALURBP; MGC14326.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMVLLS EQFLTELTRL FQKCRITSGSV YITLKKYDGR TKPIPKKGTV EGFEPADNKC LLRATDGKKK ISTVVSSKEV NKFQMAYSNL LRANMDGLKK RDKKNKTKKT KAAAAAAAAA PAAAATAATT AATTAATAAQ.		
Formulation	The SRP14 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.		

Introduction

SRP14 is a ribonucleoprotein complex which mediates the directing of proteins to the endoplasmic reticulum. The 6:Alu domain6 of SRP is comprised of the heterodimer of the SRP9 and SRP14 proteins that are bound to the 5' and 3' terminal sequences of SRP RNA. SRP9/14 binding may be critical to the transcription, maturation, nucleolus localization and transport of SRP RNA.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SRP14 Human Recombinant fused with a 24 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 160 amino acids (1-136 a.a.) and having a molecular mass of 17.1kDa. The SRP14 is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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