9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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SRP14 Human

Signal Recognition Particle 14kDa Human Recombinant
RCP2240

Product Overview

Name	SRP14 Human
Description	
Signal Recognition Particle 14kDa Human Recombinant	
Accession (Primary)	P37108
Synonyms	
Signal recognition particle 14 kDa protein, SRP14, 18 kDa Alu RNA-binding protein, ALURBP, MGC14326.	
Introduction	
SRP14 is a ribonucleoprotein complex which mediates the directing of proteins to the endoplasmic reticulum. The “Alu domain” 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The SRP14 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.	
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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MVLLES EQFLTELTRL FQKCRTSGSV YITLKKYDGR TKPIPKKGTV EGFEPADNKC LLRATDGKKK ISTVVSSKEV NKFQMAYSNL LRANMDGLKK RDKKNKTKKT KAAAAAAAAA PAAAATAATT AATTAATAAQ.	
Precautions	
SRP14 Human is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (P37108)