
Product Data Sheet

Product Name: RPS20 Human
 Cat. No.: GP24439
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	S20; 40S ribosomal protein S20; RPS20.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMFAKDTG KTPVEPEVAI HRIRITLTSR NVKSLEKVCA DLIRGAKEKN LKVKG PVRMP TKTLRITTRK TPCGEGSKTW DRFQMRIHKR LIDLHSPSEI VKQITSISIE PGVELIESTD AEPMDTEGQQ YTLRSVFESP GTCPF.		
Formulation	The RPS20 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol, 2mM DTT and 1mM EDTA.		

Introduction

Ribosomal Protein S20 (RPS20) encodes a ribosomal protein which is a component of the 40S subunit. RPS20, which is located in the cytoplasm, is a part of the S10P family of ribosomal proteins. RPS20 is co-transcribed with the small nucleolar RNA gene U54, which is located in its second intron. There are multiple processed pseudogenes of RPS20 dispersed through the genome as typical for genes encoding ribosomal proteins.

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

RPS20 Human Recombinant produced in E. coli is a single polypeptide chain containing 165 amino acids (1-142) and having a molecular mass of 18.4kDa. RPS20 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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