
Product Data Sheet

Product Name: RPS18 Human
 Cat. No.: GP24437
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ribosomal Protein S18; D6S218E; 40S Ribosomal Protein S18;HKE3; KE-3; KE3; S18; Rhabdomyosarcoma Antigen MU-RMS-40.21; Ke-3; Ke3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSLVIPE KFQHILRVLN TNIDGRRKIA FAITAIKGVG RRYAHVVLRKADIDLTKRAG ELTEDEVERV ITIMQNPRQY KIPDWFLNRQ KDVKDGKYSQ VLANGLDNKL REDLERLKKIRAHRLRHFHW GLRVRGQHTK TTGRRGRTVG VSKKK		
Formulation	RPS18 protein solution (0.5mg/ml) containing 20mMTris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.		

Introduction

40S ribosomal protein S18 (RPS18) is a member of the ribosomal protein S13P family. RPS18 is located in the cytoplasm. Ribosomes, the organelles which catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Jointly these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. RPS18 encodes a ribosomal protein which is a component of the 40S subunit. RPS18 is a recognized binding partner of Cofilin and has been proposed to be a novel substrate for CaMKII. Among the diseases associated with RPS18 are Bowen-Conradi syndrome, and Pasteurellosis.

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

RPS18 Human Recombinant produced in E. Coli is a single, non-glycosylated polypeptide

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

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chain containing 175 amino acids (1-152 a.a) and having a molecular mass of 20.1kDa.

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