
Product Data Sheet

Product Name: RPS4X Human
 Cat. No.: GP24429
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ribosomal protein S4; X-linked; CCG2; DXS306; RPS4; S4; SCAR; SCR10; 40S ribosomal protein S4; X isoform; Single copy abundant mRNA protein; RPS4X.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMARGPKK HLRVAAPKH WMLDKLTGVF APRPSTGPHK LRECLPLIIF LRNRLKYALT GDEVKKICMQ RFIKIDGKVR TDITYPAGFM DVISIDKTGE NFRLIYDTKG RFAVHRITPE EAKYKLCCKVR KIFVGTGKIP HLVTHDARTI RYPDPLIKVN DTIQIDLETG KITDFIKFDT GNLCMVTGGA NLGRIGVITN RERHPGSFDV VHVKDANGNS FATRLSNIFV IGKGNKPWIS LPRGKGIRLT IAEERDKRLA AKQSSG.		
Formulation	The RPS4X solution (0.5mg/ml) contains 20mM Tris-HCl(pH8.0), 40% glycerol, 0.15M NaCl and 1mM DTT.		

Introduction

Ribosomal Protein 4X (RPS4X) is ribosomal protein S4, a component of the 40S subunit which is a part from the S4E family of ribosomal proteins. Ribosomal protein S4 is the only ribosomal protein known to be encoded by more than one gene, that is RPS4X and ribosomal protein S4, Y-linked (RPS4Y). Both isoforms encoded by these genes are not the same, but are functionally alike.

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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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RPS4X Human Recombinant produced in E. coli is a single polypeptide chain containing 286 amino acids (1-263) and having a molecular mass of 32kDa. RPS4X is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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