
Product Data Sheet

Product Name: RPS2 Human

Cat. No.: GP24426

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ribosomal Protein S2; Protein LLRep3; 40S Ribosomal Protein S4; 40S Ribosomal Protein S2; LLREP3; OK/KNS-cl.6; S2; RPS4.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMADDAGA AGGPGGPGGP GMGNRGGFRG GFGSGIRGRG RGRGRGRGRGRGARGGKAED KEWMPVTKLG RLVKDMKIKS LEEIYLFSLP IKESIIDFF LGASLKDEVL KIMPVQKQTRAGQRTRFKAF VAIGDYNGHV GLGVKCSKEV ATAIRGAILL AKLSIVPVRG GYWGNKIGKP HTVPCKVTGRCGSVLVRLIP APRGTGIVSA PVPKLLMMA GIDDCYTSAR GCTATLGNFA KATFDAISKY SYLTPDLWK ETVFTKSPYQ EFTDHLVKTH TRVSVQRTQA PAVATT		
Formulation	RPS2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

Introduction

Ribosomal protein S2, (RPS2) is a member of the S5P family of ribosomal proteins. 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 different proteins. RPS2 is a ribosomal protein which is a component of the 40S subunit. RPS2 is located in the cytoplasm. RPS2 shares sequence similarity with mouse LLRep3. RPS2 has been associated with diamond-blackfan anemia, and herpes simplex.

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). Please avoid freeze thaw cycles.

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

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Background

RPS2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 316 amino acids (1-293aa) and having a molecular mass of 33.7kDa.

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