Datasheet for ABIN1097469

RPS19 Protein (AA 2-145)

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Overview

Quantity:	50 µg
Target:	RPS19
Protein Characteristics:	AA 2-145
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human 40S Ribosomal Protein S19/RPS19
Sequence:	PGVTVKDVNQ QEFVRALAAF LKKSGKLKVP EWVDTVKLAK HKELAPYDEN WFYTRAASTA RHLYLRGGAG VGSMTKIYGG RQRNGVMPSH FSRGSKSVAR RVLQALEGLK MVEKDQDGGR KLTPQGQRDL DRIAGQVAAA NKKH
Characteristics:	Recombinant Human 40S Ribosomal Protein S19/RPS19 is produced by our E. coli expression system. The target protein is expressed with sequence (Pro2-His145) of Human RPS19.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	RPS19
Alternative Name:	rps19 (RPS19 Products)

Target Details

Background:	40S Ribosomal Protein S19 (RPS19) is a ribosomal protein that Belongs to the ribosomal protein S19e family. RPS19 is located in the nucleoli, and higher level expression is seen in colon carcinoma tissue than normal colon tissue. It required for pre-rRNA processing and maturation of 40S ribosomal subunits. RPS19 plays a role in many biological processes, such as endocrine pancreas development, erythrocyte differentiation, mRNA metabolic process. Defects in RPS19 are the cause of Diamond-Blackfan anemia type 1 (DBA1), which is a form of Diamond-Blackfan anemia, a congenital non-regenerative hypoplastic anemia that usually presents early in infancy. Diamond-Blackfan anemia is characterized by a moderate to severe macrocytic anemia, erythroblastopenia, and an increased risk of malignancy. Alternative Names: 40S Ribosomal Protein S19, RPS19
Molecular Weight:	16.1 kDa
UniProt:	P39019
Pathways:	Positive Regulation of Immune Effector Process, Ribonucleoprotein Complex Subunit Organization, Ribosome Assembly

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months