

## Datasheet for ABIN7318112 **RPS19 Protein**



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### Overview

Quantity:	50 µg
Target:	RPS19
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Purpose:	Recombinant Human RPS19 Protein
Sequence:	Pro2-His145
Characteristics:	Recombinant Human 40S Ribosomal Protein S19 is produced by our E.coli expression system and the target gene encoding Pro2-His145 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	RPS19
Alternative Name:	RPS19 ( <a href="#">RPS19 Products</a> )
Background:	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,

## Target Details

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.

Synonym: 40S Ribosomal Protein S19, RPS19

Molecular Weight:	16.1 kDa
UniProt:	<a href="#">P39019</a>
Pathways:	<a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Ribonucleoprotein Complex Subunit Organization</a> , <a href="#">Ribosome Assembly</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 1 mM EDTA, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.