Datasheet for ABIN5712600

RPS19 Protein (AA 2-92) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	RPS19
Protein Characteristics:	AA 2-92
Origin:	E. coli
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPS19 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	PRSLKKGPFI DLHLLKKVEK AVESGDKKPL RTWSRRSTIF PNMIGLTIAV HNGRQHVPVF VTDEMVGHKL GEFAPTRTYR GHAADKKAKK K
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	RPS19
Alternative Name:	RS19 (RPS19 Products)
Background:	In the E.coli 70S ribosome in the initiation state it has been modeled to contact the 23S rRNA of the 50S subunit forming part of bridge B1a, this bridge is broken in the model with bound EF-G. The 23S rRNA contact site in bridge B1a is modeled to differ in different ribosomal states ,

Target Details

	contacting alternately S13 or S19. In the 3.5 angstroms resolved ribosome structures the contacts between L5, S13 and S19 bridge B1b are different, confirming the dynamic nature of this interaction. Bridge B1a is not visible in the crystallized ribosomes due to 23S rRNA disorder.
Molecular Weight:	14.4 kDa
UniProt:	P0A7U3
Pathways:	Positive Regulation of Immune Effector Process, Ribonucleoprotein Complex Subunit Organization, Ribosome Assembly

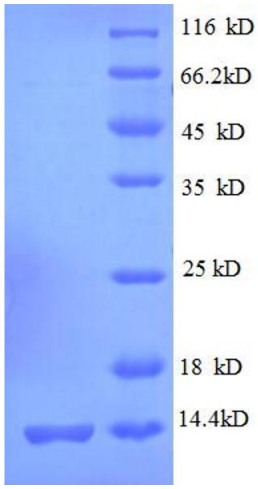
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



SDS-PAGE

Image 1.