abcam

Product datasheet

Recombinant Human RPS7 protein ab117224

1 Image

Overview

Product name	Recombinant Human RPS7 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Accession	P62081
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSHMFSSSAKIVKPN GEKPDEFESGISQA LLELEMNSDLKAQLRELNITAAKEIEVGGGRKAIIIFVPV PQLKSFQKIQ VRLVRELEKKFSGKHVVFIAQRRILPKPTRKSRTKNKQ KRPRSRTLTAVH DAILEDLVFPSEIVGKRIRVKLDGSRLIKVHLDKAQQNN VEHKVETFSGV YKKLTGKDVNFEFPEFQL
Molecular weight	25 kDa including tags
Amino acids	1 to 194
Tags	His tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab117224** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Purity	> 90 % SDS-PAGE. ab117224 is purified using conventional chromatography techniques.

Form	Liquid

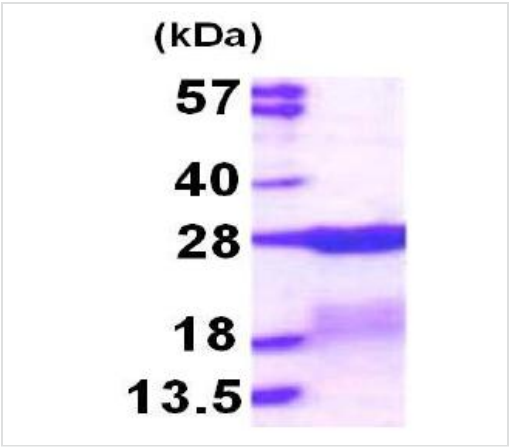
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.32% Tris HCl, 0.58% Sodium chloride, 30% Glycerol, 0.02% DTT

General Info

Function	Required for rRNA maturation.
Involvement in disease	Defects in RPS7 are the cause of Diamond-Blackfan anemia type 8 (DBA8) [MIM:612563]. DBA8 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. 30 to 40% of Diamond-Blackfan anemia patients present with short stature and congenital anomalies, the most frequent being craniofacial (Pierre-Robin syndrome and cleft palate), thumb and urogenital anomalies.
Sequence similarities	Belongs to the ribosomal protein S7e family.

Images



SDS-PAGE - Recombinant Human RPS7 protein (ab117224)

15% SDS-PAGE showing ab117224 at approximately 24.7kDa (3µg).

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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