

# Recombinant human RPS24 protein

Catalog Number: ATGP2209

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-130aa

### UniProt No.

P62847

### NCBI Accession No.

NP\_148982

### Alternative Names

40S ribosomal protein S24 isoform a, DBA3, S24

## PRODUCT SPECIFICATION

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### Molecular Weight

17.5 kDa (153aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

40S ribosomal protein S24 isoform a, also known as RPS24, belongs to the S24E family of ribosomal proteins. It is located in the cytoplasm. Multiple transcript variants encoding different isoforms have been found for this gene. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Mutations in this gene result in Diamond-Blackfan anemia. Recombinant human RPS24 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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### Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMNDVTI RTRKFMTNRL LQRKQVIDV LHPGKATVPK TEIREKLAKM YKTTPDVIFV  
FGFRTHFGGG KTTGFGMIYD SLDYAKKNEP KHRLARHGLY EKKKTSRKQR KERKNRMKKV RGTAKANVGA GKK

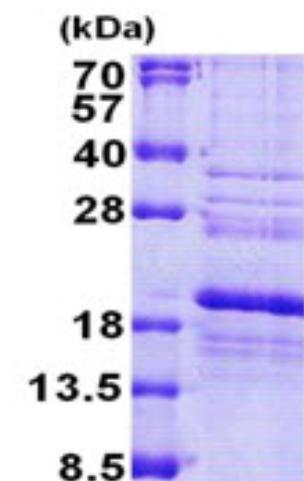
### General References

Badhai J., et al. (2009) *Biochim Biophys Acta*. 1792(10):1036-42  
Choessel V., et al. (2008) *Hum Mol Genet*. 17(9):1253-63.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)