

# Recombinant human PFDN4 protein

Catalog Number: ATGP0893

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-134aa

### UniProt No.

Q9NQP4

### NCBI Accession No.

NP\_002614

### Alternative Names

Prefoldin subunit 4, Protein C-1, PFD4, Protein C1, Prefoldin 4, Prefoldin4

## PRODUCT SPECIFICATION

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### Molecular Weight

17.4 kDa (154aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 10% glycerol, 50mM NaCl

### Purity

> 90% 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

Prefoldin subunit 4, also known PFDN4, is a member of the prefoldin beta subunit family. PFDN4 is a heterohexameric chaperone protein which has the ability to capture unfolded actin and is a possible transcription factor. Six prefoldin polypeptides, prefoldin 1-6, have been identified. Recombinant human PFDN4 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 SSGLVPRGSH MAATMKKAAA EDVNVTFEDQ QKINKFARNT SRITELKEEI EVKKKQLQNL EDACDDIMLA  
DDDCLMIPYQ IGDVFISHSQ EETQEMLEEA KKNLQEEIDA LESRVESIQR VLADLKVQLY AKFGSNINLE ADES

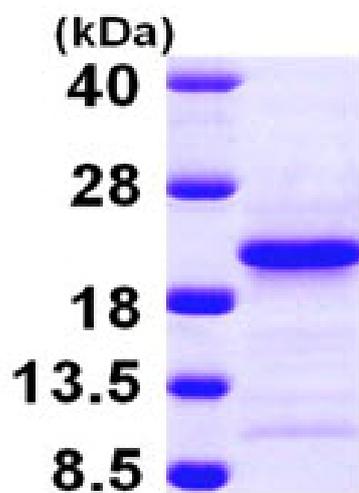
### General References

Vainberg IE., et al. (1998) Cell. 29(5):863-73.  
Brinke A., et al. (1997) Genomics. 45:105-112.

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)