

# Recombinant human PFDN5 protein

Catalog Number: ATGP1161

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-154aa

### UniProt No.

Q99471

### NCBI Accession No.

NP\_002615

### Alternative Names

prefoldin subunit 5 isoform alpha, MM-1, MM1, PFD5

## PRODUCT SPECIFICATION

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### Molecular Weight

19.5 kDa (174aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol

### 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

PFDN5 belongs to the prefoldin alpha subunit family. Prefoldin (PFDN), a ubiquitously expressed heterohexameric co-chaperone, is necessary for proper folding of nascent proteins, in particular, tubulin and actin. PFDN5 is one of six subunits of prefoldin, a molecular chaperone complex that binds and stabilizes newly synthesized polypeptides, thereby allowing them to fold correctly. This protein may also repress the transcriptional activity of the proto-oncogene c-Myc. Recombinant human PFDN5 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 MAQSINITEL NLPQLEMLKN QLDQEVFLS TSIAQLKVVQ TKYVEAKDCL NVLNKSNEGK  
ELLVPLTSSM YVPGKLHDVE HVLIDVGTGY YVEKTAEDAK DFFKRKIDFL TKQMEKIQPA LQEKHAMKQA VMEMMSQKIQ  
QLTALGAAQA TAKA

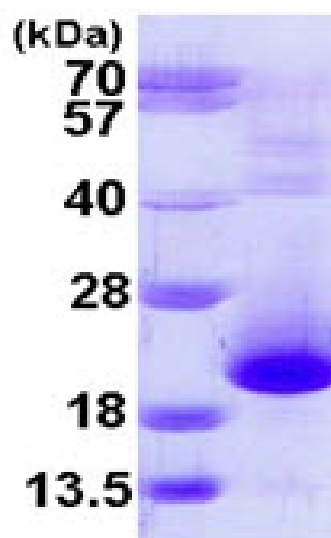
## General References

Vainberg I.E., et al. (1998) Cell 93:863-873

Mori K, et al. (1998) J Biol Chem 273 (45): 29794-800.

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)