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Recombinant human PFDN5 protein

Catalog Number: ATGP1161

PRODUCT INFORMATION

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

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

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

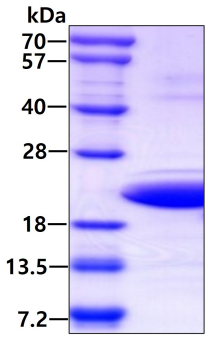
<MGSSHHHHHH SSGLVPRGSH> MAQSINITEL NLPQLEMLKN QLDQEVEFLS TSIAQLKVVQ TKYVEAKDCL NVLNKSNEGK ELLVPLTSSM YVPGKLHDVE HVLIDVGTGY YVEKTAEDAK DFFKRKIDFL TKQMEKIQPA LQEKHAMKQA VMEMMSQKIQ QLTALGAAQA TAKA

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.