Recombinant human PFDN2 protein

Catalog Number: ATGP0774

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-154aa

UniProt No.
Q9UHV9

NCBI Accession No.
NP_036526

Alternative Names
Prefoldin subunit 2, PFD2, HSPC231

PRODUCT SPECIFICATION

Molecular Weight
18.8 kDa (174aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 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

Description
PFDN2 (Prefoldin subunit 2) is a member of the prefoldin beta subunit family. The encoded protein 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 binds specifically to cytosolic chaperonin (c-CPN) and transfers target proteins to it. And binds to nascent polypeptide chain and promotes folding in an environment in which there are many competing pathways for nonnative proteins. Recombinant human PFDN2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Recombinant human PFDN2 protein

Catalog Number: ATGP0774

Amino acid Sequence

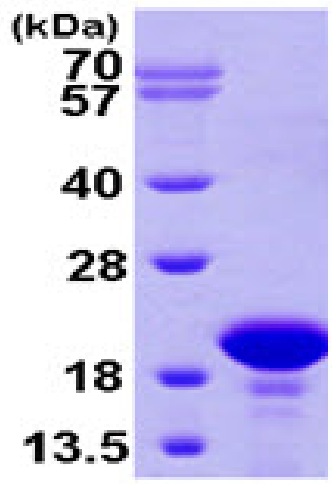
MGSSHHHHHH SSGLVPRGSH MAENSGRAGK SSGSGAGKGA VSAEQVIAGF NRLRQEQRGL ASKAAELEME LNEHSLVIDT LKEVDETRKC YRMVGGVLVE RTVKEVLPAL ENNKEQIQKI IETLTQQLQA KGKELNEFRE KHNIRLMGED EKPAAKENSE GAGAKASSAG VLVS

General References

Vainberg I.E., et al. (1998) Cell 93:863-873
Grebenova D., et al. (2006) Blood Cells Mol. Dis. 37(3):210-7.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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