Recombinant human PFDN6 protein

Catalog Number: ATGP0966

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-129aa

UniProt No.
O15212

NCBI Accession No.
NP_055075

Alternative Names
Prefoldin subunit 6, H2-KE2, HKE2, KE-2, MGC70744, PFD6

PRODUCT SPECIFICATION

Molecular Weight
16.7 kDa (149aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by BCA assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol

Purity
> 95% 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
PFDN6, also known as HKE2 or PFD6, is a subunit of the heteromeric prefoldin complex that chaperones nascent actin and alpha- and beta-tubulin chains pending their transfer to the cytosolic chaperonin containing TCP1 (CCT) complex. It 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 PFDN6 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

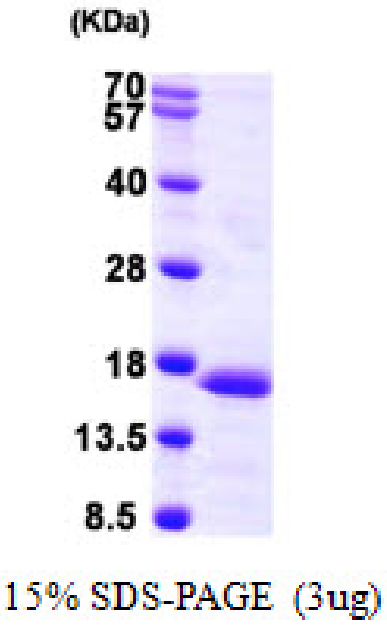
MGSSHHHHHH SSGLVPRGSH MAELIQKKLQ GEVEKYQQLQ KDLSKSMSGR QKLEAQLTEN NIVKEELALL DGSNVVFKLL GPVLVKQELG EARATVGKRL DYITAEIKRY ESQLRDLERQ SEQQRETLAQ LQQEFQRAQA AKAGAPGKA

General References

Sowa ME., et al. (2009) Cell. 138(2):389-403.
Simons CT., et al. (2004) J Biol Chem. 279(6):4196-203.

DATA

SDS-PAGE



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