

AR09906PU-N

Human PFDN6 / HKE2 (1-129, His-tag) - Purified

Alternate names:

Ke2, PFD6, Prefoldin subunit 6

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by BCA assay)

Background:

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.

Uniprot ID:

[O15212](#)

NCBI:

[NP_001172110](#)

GeneID:

[10471](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95%

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol

Description:

Recombinant human PFDN6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

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

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

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

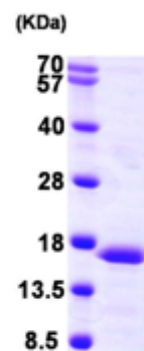
General Readings:

Sowa ME., et al. (2009) Cell. 138(2):389-403.

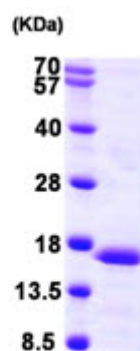
Simons CT., et al. (2004) J Biol Chem. 279(6):4196-203.

Pictures:

Recombinant human PFDN6, 1-129 aa,
His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)