

Recombinant Human Prefoldin Subunit 6, His-tagged

Cat. No. PFDN6-3407H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PFDN6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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 bind to nascent polypeptide chain and promote folding in an environment in which there are many competing pathways for nonnative proteins.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol.
Molecular Weight	16.7 kDa (149aa) confirmed by MALDI-TOF.
Purity	> 95% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by BCA assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MAELIQKKLQ GEVEKYQQQLQ KDLSKSMGR QKL E AQLTEN NIVKEELALL DGSNVVFKLL GPVLVKQELG EARATVGKRL DYIT AEIK

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RY ESQLRDLERQ SEQQRETLAQ LQQEFQRAQA AKAGAPGKA.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways

Metabolism of proteins

GENE INFORMATION

Gene Name

PFDN6 prefoldin subunit 6 [Homo sapiens]

Synonyms

prefoldin subunit 6; HKE2; KE-2; PFD6; H2-KE2; MGC70744; PFDN6;prefoldin subunit 6; KE2 protein; prefoldin 6; protein Ke2; OTTHUMP00000029360; OTTHUMP00000178657; HLA class II region expressed gene KE2; Protein Ke2

Gene ID

10471

mRNA Refseq

NM_001185181

Protein Refseq

NP_001172110

MIM

605660

UniProt ID

O15212

Chromosome Location

6p21.3

Function

chaperone binding; protein binding; unfolded protein binding

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