

## PFDN6 Human

**Description:** PFDN6 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 149 amino acids (1-129a.a.) and having a molecular mass of 16.7 kDa. PFDN6 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-185

For research use only.

**Synonyms:** Prefoldin Subunit 6, PFD6, H2-KE2, KE-2, HKE2, HLA class II region expressed gene KE2, MGC70744.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MAELIQKKLQ GEVEKYQQLQ  
KDLSKMSGR QKLEAQLTEN NIVKEELALL DGSNVVFKLL GPVLVKQELG EARATVGKRL  
DYITAEIKRY ESQRLDLERQ SEQQRETLAQ LQQEFQRAQA AKAGAPGKA

**Purity:** Greater than 95% as determined by SDS-PAGE.

### Formulation:

The PFDN6 protein solution (0.5mg/1ml) is formulated in 20 mM Tris-HCl buffer (pH8.0), 100mM NaCl, 1mM DTT and 10% glycerol.

### Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

PFDN6 is a subunit of the heteromeric prefoldin complex that chaperones developing actin and alpha- and beta-tubulin chains until they are transferred to the cytosolic chaperonin containing TCP1 (CCT) complex. PFDN6 binds specifically to cytosolic chaperonin (c-CPN), transfers target proteins to it and bind to developing polypeptide chain to promote folding in a setting where there are many competing pathways for nonnative proteins.

### Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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