

PFDN6, 1-129aa, Human, His tag, E.coli

Cat.NO.: TP03364

3th Edition

Synonyms:Prefoldin subunit 6, H2-KE2, HKE2, KE-2, MGC70744, PFD6.

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.

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

Sequences:

MGSSHHHHHSSGLVPRGSHMAELIQKKLQGEVEKYQQLQKDLKSKMSGRQKLEAQLTENNIVKEELALLDGSNV
VFKLLGPVLVKQELGEARATVGKRLDYITAEIKRYESQLRDLERQSEQQRETLAQLQQEFQRAQAQAKAGAPGKA

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by BCA assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.