

Recombinant Human PFDN6, His-tagged

Cat. No. PFDN6-26966TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PFD6 with an N terminal His tag; 149aa, 16.7kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	129 amino acids
Description	PFDN6 is a subunit of the heteromeric prefoldin complex that chaperones nascent actin (see MIM 102560) and alpha- and beta-tubulin (see MIM 602529 and MIM 191130, respectively) chains pending their transfer to the cytosolic chaperonin containing TCP1 (MIM 186980) (CCT) complex (Hansen et al.
Conjugation	HIS
Molecular Weight	16.700kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0

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Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMAELIQKKLQGEVEKYQQLQKDLSKSMGRQKLEA QLTENNIVKEELALLDGSNVVFKLLGPVLVKQELGEARATVGKRLDYITAEIKRYESQ LRDLERQSEQQRETLAQLQQEFQRAQAAGAPGKA
Sequence Similarities	Belongs to the prefoldin subunit beta family.
GENE INFORMATION	
Gene Name	PFDN6 prefoldin subunit 6 [Homo sapiens]
Official Symbol	PFDN6
Synonyms	PFDN6; prefoldin subunit 6; HKE2, HLA class II region expressed gene KE2 , prefoldin 6; H2 KE2; KE 2; PFD6;
Gene ID	10471
mRNA Refseq	NM_001185181
Protein Refseq	NP_001172110
MIM	605660
Uniprot ID	O15212
Chromosome Location	6p21.3

Pathway

Chaperonin-mediated protein folding, organism-specific biosystem; Cooperation of Prefoldin and TriC/CCTin actin and tubulin folding, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Prefoldin mediated transfer of substrateto CCT/TriC, organism-specific biosystem; Protein folding, organism-specific biosystem;

Function

chaperone binding; unfolded protein binding;

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