

PFDN1 Protein, Human (His)

Cat. No.:	HY-P76540
Synonyms:	Prefoldin subunit 1; PFDN1; PFD1
Species:	Human
Source:	E. coli
Accession:	O60925 (M1-Q122)
Gene ID:	5201
Molecular Weight:	Approximately 17 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, 10% Glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	PFDN1 protein plays a crucial role in protein folding as it specifically binds to cytosolic chaperonin (c-CPN) and facilitates the transfer of target proteins to it. It also binds to nascent polypeptide chains, aiding in their folding process within an environment where numerous alternative pathways for nonnative proteins exist. Structurally, PFDN1 protein forms a heterohexamer consisting of two PFD-alpha type and four PFD-beta type subunits.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA