
Product Data Sheet

Product Name: PFDN5 Human
 Cat. No.: GP24169
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Prefoldin subunit 5; C-Myc-binding protein Mm-1; Myc modulator 1; PFDN5; MM1; PFD5; MM-1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAQSINITEL NLPQLEMLKN QLDQEVFLS TSIAQLKVVQ TKYVEAKDCL NVLNKSNEGK ELLVPLTSSM YVPGKLHDVE HVLIDVGTGY YVEKTAEDAK DFFKRKIDFL TKQMEKIQA LQEKHAMKQA VMEMMSQKIQLTALGAAQA TAKA.		
Formulation	PFDN5 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT and 10% glycerol.		

Introduction

PFDN5 is a member of the prefoldin alpha subunit family. Prefoldin (PFDN) being a ubiquitously expressed heterohexameric co-chaperone, is required for proper folding of nascent proteins, in particular, tubulin and actin. PFDN5 is one of 6 subunits of prefoldin, which is a molecular chaperone complex that binds and stabilizes newly synthesized polypeptides, thus allowing them to fold properly. The PFDN5 protein may also limit the transcriptional activity of the proto-oncogene c-Myc.

Stability

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.

Background

PFDN5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 174 amino acids (1-154 a.a.) and having a molecular mass of 19.5kDa. PFDN5 is fused to a 20 amino acid His-tag at N-terminus & purified by

Caution: Product has not been fully validated for medical applications. For research use only.

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proprietary chromatographic techniques.

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