Recombinant Human PFDN5 protein, His-tagged

Cat. No. PFDN5-3608H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PFDN5(1-154aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-154 a.a.
Description	PFDN5 belongs to the prefoldin alpha subunit family. Prefoldin (PFDN), a ubiquitously expressed heterohexameric co-chaperone, is necessary for proper folding of nascent proteins, in particular, tubulin and actin. PFDN5 is one of six subunits of prefoldin, a molecular chaperone complex that binds and stabilizes newly synthesized polypeptides, thereby allowing them to fold correctly. This protein may also repress the transcriptional activity of the proto-oncogene c-Myc.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol
Molecular Mass	19.5kDa (174aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSHYVPGKLHDVE HVLIDVGTGY YVEKTAEDAK DFFKRKIDFL TKQMEKIQPA LQEKHAMKQA VMEMMSQKIQ QLTALGAAQA TAKAMAQSINITEL NLPQLEMLKN QLDQEVEFLS TSIAQLKVVQ TKYVEAKDCL NVLNKSNEGK ELLVPLTSSM

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Purity	>90% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	PFDN5 prefoldin subunit 5 [Homo sapiens]
Official Symbol	PFDN5
Synonyms	PFDN5; prefoldin subunit 5; prefoldin 5; MM 1; PFD5; myc modulator-1; c-myc binding protein; MM1; MM-1; MGC5329; MGC71907;
Gene ID	5204
mRNA Refseq	NM_002624
Protein Refseq	NP_002615
MIM	604899
UniProt ID	Q99471
Chromosome Location	12q13.13
Pathway	Chaperonin-mediated protein folding, organism-specific biosystem; Cooperation of Prefoldin and TriC/CCTin actin and tubulin folding, organism-specific biosystem;

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	Metabolism of proteins, organism-specific biosystem; Prefoldin mediated transfer of substrateto CCT/TriC, organism-specific biosystem; Protein folding, organism-specific biosystem;
Function	protein binding; transcription corepressor activity; unfolded protein binding;

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