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Datasheet for ABIN7318925 PFDN2 Protein (His tag)

Overview

Quantity:	50 µg
Target:	PFDN2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PFDN2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PFDN2 Protein (His Tag)
Sequence:	Met 1-Ser154
Characteristics:	Recombinant Human Prefoldin Subunit 2 is produced by our E.coli expression system and the target gene encoding Met1-Ser154 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PFDN2
Alternative Name:	PFDN2 (PFDN2 Products)
Background:	Background: Prefoldin Subunit 2 (PFDN2) belongs to the Prefoldin Beta subunit family. The PFDN2 protein is one of six subunits of Prefoldin that act as a molecular chaperone complex that binds and stabilizes newly synthesized polypeptides allowing them to fold correctly.

Target Details

PFDN2 binds specifically to Cytosolic Chaperonin (c-CPN) and transfers target proteins to it.
PFDN2 also binds to a nascent polypeptide chain and promotes folding in settings where there are many competing pathways for non-native proteins.
Synonym: Prefoldin Subunit 2, PFDN2, PFD2

Molecular Weight: 18.8 kDa

UniProt: [Q9UHV9](#)

Pathways: [Unfolded Protein Response](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 50 mM NaCl, 1 mM DTT, pH 8.0.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.