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Datasheet for ABIN7318935

PFN2 Protein

Overview

Quantity:	50 µg
Target:	PFN2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Profilin-2/PFN2 Protein
Sequence:	Met 1-Phe140
Characteristics:	Recombinant Human Profilin-2 is produced by our E.coli expression system and the target gene encoding Met1-Phe140 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PFN2
Alternative Name:	Profilin-2/PFN2 (PFN2 Products)
Background:	Background: Profilin-II (PFN2) is ubiquitous protein which belongs to the profilin family. PFN2 binds to actin, then affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, while increases that at low concentrations. PFN2 is a ubiquitous actin monomer-binding protein. It regulates actin polymerization in response to

Target Details

extra cellular signals. PFN2 binds to PIP2, it inhibits the formation of IP3 and DG.

Synonym: Profilin-II, PFN2, Profilin-2, PFL

Molecular Weight: 15.0 kDa

UniProt: [P35080](#)

Pathways: [Regulation of Actin Filament Polymerization](#), [Synaptic Vesicle Exocytosis](#)

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 Tris, 150 mM NaCl, 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.