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## Datasheet for ABIN1692493 PFN2 Protein (AA 1-140)

### Overview

Quantity:	50 µg
Target:	PFN2
Protein Characteristics:	AA 1-140
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Purpose:	Recombinant Human Profilin-2/PFN2
Sequence:	MAGWQSYVDN LMCDGCCQEA AIVGYCDAKY VWAATAGGVF QSITPIEIDM IVGKDREGFF TNGLALGAKK CSVIRDSLIV DGDCTMDIRT KSQGGEPTYN VAVGRAGRVL VFVMGKEGVH GGGLNKKAYS MAKYLRDSGF
Characteristics:	Recombinant Human Profilin-2/PFN2
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

### Target Details

Target:	PFN2
Alternative Name:	Profilin-2/PFN2 ( <a href="#">PFN2 Products</a> )

## Target Details

Background: Recombinant Human Profilin-2/PFN2 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Phe140) of Human PFN2.

Molecular Weight: 15 kDa

UniProt: [P35080](#)

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

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL.  
Dissolve the lyophilized protein in ddH<sub>2</sub>O.  
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.  
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.  
Aliquots of reconstituted samples are stable at < -20°C for 3 months.