

AR09443PU-N

Human Profilin 2 (PFN2) (1-140, His-tag) - Purified

Alternate names:

Profilin II, Profilin-2

Quantity:

50 µg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

PFN2 is a ubiquitous actin monomer-binding protein belonging to the profilin family. This protein is ubiquitously expressed with highest expression in kidney, brain and skeletal muscle. Like other members of the profilin family, PFN2 functions as an actin monomer-binding protein that influences the structure of the cytoskeleton by regulating actin polymerization in response to extracellular signals. At high concentrations, it prevents the polymerization of actin whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG.

Uniprot ID:

[P35080](#)

NCBI:

[NP_002619](#)

GeneID:

[5217](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS – PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT

Description:

Recombinant PFN2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MAGWQSYVDN LMCDGCCQEA AIVGYCDAY VWAATAGGVF
QSITPIEIDM IVGKDREGFF TNGALGAKK CSVIRDSLYV DGDCTMDIRT KSQGGPEPTYN
VAVGRAGRVL VFVMGKEGVH GGGLNKKAYS MAKYLRDSGF

Molecular weight: 17.2 kDa (160 aa)

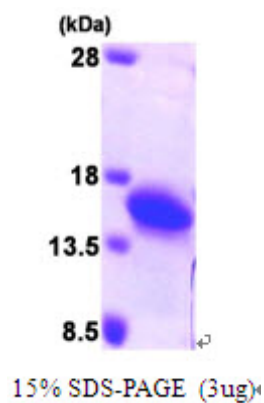
Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:



Recombinant human PFN2, 1-140 aa, His-tagged: 15% SDS-PAGE (3 μ g)

