

## 32-8268: Recombinant Human Profilin-2/PFN2

**Gene :** PFN2  
**Gene ID :** 5217  
**Uniprot ID :** P35080

### Description

Source: E. coli.  
MW :15kD.

Recombinant Human Profilin-2 is produced by our E.coli expression system and the target gene encoding Met1-Phe140 is expressed. 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 extra cellular signals. PFN2 binds to PIP2; it inhibits the formation of IP3 and DG.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,pH 8.0.  
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.  
**Storage condition :** 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.  
**Amino Acid :** MAGWQSYVDNLMCDGCCQEAAIVGYCDAKYVWAATAGGVFQSITPIEIDMIVGKDREGFFFTNGLALGAKKCS  
VIRDSLYVDGDCTMDIRTKSQGGEPTYNVAVGRAGRVLVFMGKEGVHGGGLNKKAYSMAYLRDSGF

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.