

## Recombinant Mouse Pfn2 Protein, Myc/DDK-tagged

**Cat. No.** Pfn2-4813M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length profilin 2 (Pfn2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                   |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                          |
| <b>Description</b>      | Binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG. |
| <b>Molecular Mass</b>   | 15 kDa                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                     |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                   |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                  |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                           |

### GENE INFORMATION

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 45-1 Ramsey Road, Shirley, NY 11967, USA

|                 |                                                |
|-----------------|------------------------------------------------|
| Gene Name       | Pfn2 profilin 2 [ Mus musculus (house mouse) ] |
| Official Symbol | Pfn2                                           |
| Synonyms        | PFN2; profilin 2; profilin-2; profilin II; Pfn |
| Gene ID         | 18645                                          |
| mRNA Refseq     | NM_019410                                      |
| Protein Refseq  | NP_062283                                      |
| UniProt ID      | Q9JJV2                                         |

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