

Recombinant Mouse Pfn1 Protein, Myc/DDK-tagged

Cat. No. Pfn1-4812M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length profilin 1 (Pfn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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. Inhibits androgen receptor (AR) and HTT aggregation and binding of G-actin is essential for its inhibition of AR.
Molecular Mass	15 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Pfn1 profilin 1 [Mus musculus (house mouse)]
Official Symbol	Pfn1
Synonyms	PFN1; profilin 1; profilin-1; profilin I; actin binding protein; Pfn
Gene ID	18643
mRNA Refseq	NM_011072
Protein Refseq	NP_035202
UniProt ID	P62962

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