

## Product datasheet for **TP500895**

### Pfn1 (NM\_011072) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse profilin 1 (Pfn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR200895 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MAGWNAYIDSLMADGTCQDAAIVGYKDSPSVWAAVPGKTFVSITPAEVGVLVKGDRSSFFVNGLTGGQK CSVIRDSLLQDGEFTMDLRTKSTGGAPTFNVTMTAKTLVLLMGKEGVHGGLINKKCYEMASHLRRSQY  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	15 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_035202</a></u>
Locus ID:	18643
UniProt ID:	<u><a href="#">P62962</a></u> , <u><a href="#">Q5SX50</a></u> , <u><a href="#">Q3U7V7</a></u>
RefSeq Size:	883
Cytogenetics:	11 43.21 cM
RefSeq ORF:	423



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**Synonyms:** Pfn

**Summary:** 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 PIP<sub>2</sub>, it inhibits the formation of IP<sub>3</sub> and DG. Inhibits androgen receptor (AR) and HTT aggregation and binding of G-actin is essential for its inhibition of AR (By similarity). [UniProtKB/Swiss-Prot Function]