

Product datasheet for **TP500894**

Pfn2 (NM_019410) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse profilin 2 (Pfn2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR200894 protein sequence
Red=Cloning site **Green**=Tags(s)

MAGWQSYVDNLMCDGCCQEAAIVGYCDAKYVWAATAGGVFQSITPVEIDMIVGKDREGFFTNGLTLGAKK
CSVIRDSLYVDGDCTMDIRTKSQGGPEPTYNVAVGRAGRVLVFMVGKEGVHGGGLNKKAYSMAKYLRDSGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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: [NP_062283](#)

Locus ID: 18645

UniProt ID: [Q9JJV2](#)

RefSeq Size: 2020

Cytogenetics: 3 28.15 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 PIP2, it inhibits the formation of IP3 and DG.[UniProtKB/Swiss-Prot Function]