

Product datasheet for **TP302338**

Profilin 1 (PFN1) (NM_005022) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human profilin 1 (PFN1), 20 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC202338 protein sequence
Red=Cloning site **Green**=Tags(s)

MAGWNAYIDNLMADGTCQDAAIVGYKDSPSVWAAVPGKTFVNITPAEVGVLVGKDRSSFVNGLTLGGQK
CSVIRDSLLQDGEFSMDLRTKSTGGAPTFNVTVTKDKTLVLLMGKEGVHGGLINKKCYEMASHLRRSQY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 14.9 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

Bioactivity: Pull-down assay (PMID: [27991922](#))

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

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.

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_005013](#)

Locus ID: 5216

UniProt ID: [P07737](#)

RefSeq Size: 1365



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Cytogenetics: 17p13.2

RefSeq ORF: 420

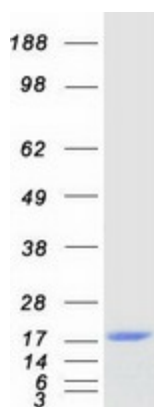
Synonyms: ALS18

Summary: This gene encodes a member of the profilin family of small actin-binding proteins. The encoded protein plays an important role in actin dynamics by regulating actin polymerization in response to extracellular signals. Deletion of this gene is associated with Miller-Dieker syndrome, and the encoded protein may also play a role in Huntington disease. Multiple pseudogenes of this gene are located on chromosome 1. [provided by RefSeq, Jul 2012]

Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Regulation of actin cytoskeleton

Product images:



Coomassie blue staining of purified PFN1 protein (Cat# TP302338). The protein was produced from HEK293T cells transfected with PFN1 cDNA clone (Cat# [RC202338]) using MegaTran 2.0 (Cat# [TT210002]).