

## Product datasheet for **TP302338L**

### Profilin 1 (PFN1) (NM\_005022) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human profilin 1 (PFN1), 1 mg

**Species:** Human

**Expression Host:** HEK293T

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

MAGWNAYIDNLMADGTCQDAAIVGYKDSPSVWAAVPGKTFVNITPAEVGVLVKGDRSSFVNGGLTLGGQK  
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

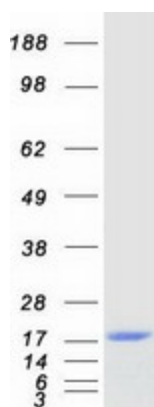
Synonyms: ALS18

**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]).