

# Active Recombinant Full Length Human PFN1 Protein, C-Flag-tagged

Cat. No. PFN1-624HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human PFN1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Bio-activity</b>	Pull-down assay
<b>Molecular Mass</b>	14.9 kDa
<b>AA Sequence</b>	MAGWNAYIDNLMADGTCQDAAIVGYKDSPSVWAAVPGKTFVNITPAEVGVLVGKDR SSFYVNGLTLGGQK CSVIRDSLLQDGEFSMDLRTKSTGGAPTFNVTVTKTDKTLVLL MGKEGVHGGLINKKCYEMASHLRRSQYTRTRPLEQKLISEEDLAANDILDYKDDDDK V

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<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome, Stem cell - Pluripotency
<b>Protein Pathways</b>	Regulation of actin cytoskeleton
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	PFN1 profilin 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	PFN1
<b>Synonyms</b>	ALS18
<b>Gene ID</b>	5216
<b>mRNA Refseq</b>	NM_005022.4
<b>Protein Refseq</b>	NP_005013.1

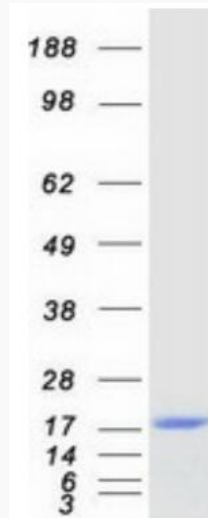
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**MIM** 176610

**UniProt ID** P07737



Coomassie blue staining of purified PFN1 protein.

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