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

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

SPECIFICATION

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

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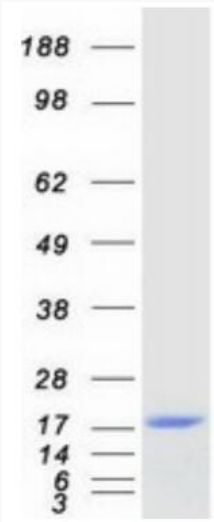
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate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

GENE INFORMATION

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

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MIM	176610
UniProt ID	P07737



Coomassie blue staining of purified PFN1 protein.

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