

Recombinant Human PFN2 protein, T7-tagged

Cat. No. PFN2-140H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PFN2 (140 aa, Isoform-1) fused with T7 Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	140 a.a.
Form	0.25 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGEFMAGWQSYVDNLMCDGCCQEAAIVGYCDAKYVWAATAGG VFQSITPIEIDMIVGKDREGFF TNGLTLGAKKCSVIRDSLYVDGDCTMDIRTKSQGGE PTYNVAVGRAGRVLVFVMGKEGVHGGGLNKKAYSMAYL RDSGF
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro ROCK1 pathway regulation study with intracellular protein delivery of this protein.2. As soluble / native protein, may be used as enzymatic substrate protein for kinase and ubiquitin assay development.3. May be used for mapping PFN2 protein-protein interaction.4. As potential diagnostic biomarker for bipolar disorder diseases.5. As antigen for specific antibody production.
Storage	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at

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least 7 days.

GENE INFORMATION

Gene Name	PFN2 profilin 2 [Homo sapiens]
Official Symbol	PFN2
Synonyms	PFN2; profilin 2; profilin-2; profilin II; PFL; D3S1319E;
Gene ID	5217
mRNA Refseq	NM_002628
Protein Refseq	NP_002619
MIM	176590
UniProt ID	P35080
Chromosome Location	3q25.1
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Regulation of actin cytoskeleton, organism-specific biosystem; Regulation of actin cytoskeleton, conserved biosystem; Salmonella infection, organism-specific biosystem; Salmonella infection, conserved biosystem; Shigellosis, organism-specific biosystem;
Function	actin binding; phosphatidylinositol-4,5-bisphosphate binding; protein binding;

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