Recombinant Human Profilin 1

Cat. No. PFN1-1401H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Profilin1 protein was expressed in*E.coli*and purified by using conventional chromatography techniques. MW = 15.0 kDa (140aa).
Species	Human
Source	E.coli
Description	Profilin1 is a ubiquitous actin monomer-binding protein belonging to the profilin family. This protein significantly enhances skin wound healing in-vitro and in-vivo that may be mediated by purinergic receptors. It is also active in endothelial cell migration and vessel sprouting. It is thought to regulate actin polymerization in response to extracellular signals.
Amino Acid Sequence	MAGWNAYIDN LMADGTCQDA AIVGYKDSPS VWAAVPGKTF VNITPAEVGV LVGKDRSSFY VNGLTLGGQK CSVIRDSLLQ DGEFSMDLRT KSTGGAPTFN VTVTKTDKTL VLLMGKEGVH GGLINKKCYE MASHLRRSQY
Form	Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol.
Purity	> 95% by SDS – PAGE.
Concentration	1.0 mg/ml (determined by Bradford assay).
Endotoxin Level	< 1.0 EU per 1 μg of protein (determined by LAL method).

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Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	PFN1 profilin 1 [Homo sapiens]
Synonyms	PFN1; profilin 1; Profilin-1; Profilin I
Gene ID	5216
mRNA Refseq	NM_005022
Protein Refseq	NP_005013
MIM	176610
UniProt ID	P07737
Chromosome Location	17p13.2
Pathway	Regulation of actin cytoskeleton
Function	Rho GTPase binding; actin binding; proline-rich region binding

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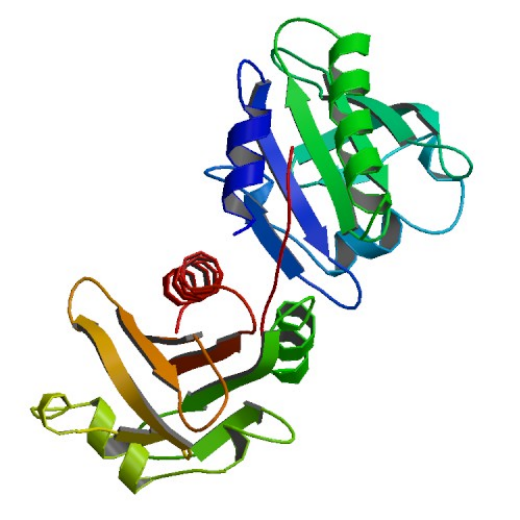
PDB rendering based on 1awi.



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