

Recombinant Human Profilin 1

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

SPECIFICATION

Product Overview	Recombinant Human Profilin1 protein was expressed in <i>E.coli</i> 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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