9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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PFN1 Human

Profilin-1 Human Recombinant
RCP1633

Product Overview

Name	PFN1 Human
Description	
Profilin-1 Human Recombinant	
Accession (Primary)	P07737
Synonyms	
Profilin-1, Profilin I, PFN1.	
Introduction	
Profilin1 (PFN1) is a ubiquitous actin monomer-binding protein which is a member of the profilin family. PFN1 significantly boosts skin wound healing in-vitro and in-vivo which may be mediated by purinergic receptors. PFN1 is also active in endothelial cell migration and vessel sprouting. PFN1 is thought to control actin polymerization in response to extracellular signals. PFN1 binds to actin and affects the formation of the cytoskeleton. In addition, PFN1 has an important role in the regulation of epithelial cell-cell adhesion. At high concentrations, profilin averts the polymerization of actin, while at low concentrations it enhances the polymerization. PFN1 gene deletion is linked to Miller-Dieker syndrome.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The PFN1 protein solution contains 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MAGWNAYIDN LMADGTCQDA AIVGYKDSPS VWAAVPGKTF VNITPAEVGV LVGKDRSSFY VNGLTLGGQK CSVIRDSLLQ DGEFSMDLRT KSTGGAPTFN VTVTKTDKTL VLLMGKEGVH GGLINKKCYE MASHLRRSQY.	

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Precautions

PFN1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P07737)