

Recombinant human Profilin 1/PFN1 protein

Catalog Number: ATGP0376

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-140aa

UniProt No.

P07737

NCBI Accession No.

NP_005013

Alternative Names

Profilin-1, Profilin I, Profilin, Pfn1, Actin binding protein

PRODUCT SPECIFICATION

Molecular Weight

15 kDa (140aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant Profilin1 protein was expressed in E. coli and purified by using conventional

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chromatography techniques.

Amino acid Sequence

MAGWNAYIDN LMADGTCQDA AIVGYKDSPS VWAAPGKTF VNITPAEVGV LVGKDRSSFY VNGLTLGGQK CSVIRDSLLQ
DGEFSMDLRT KSTGGAPTFN VTVTKDKTL VLLMGKEGVH GGLINKKCYE MASHLRRSQY

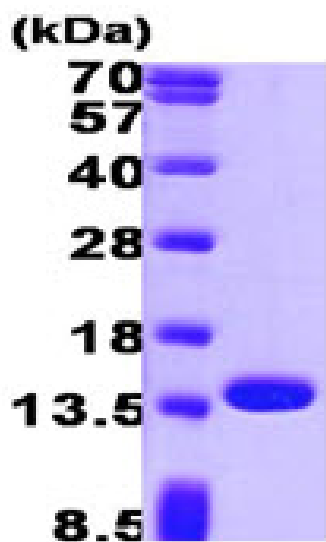
General References

Kwiatkowski DJ, et al. (1988) J. Biol. Chem. 263(12): 5910-5

Harbeck B., et al. (2000) J. Biol. Chem. 275(40): 30817-25.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)