

Pfn1, 1-140 aa, Rat, His tag, E.coli

Cat.NO.: TP03366

3th Edition

Synonyms:

Description: Pfn1 also known as Profilin-1 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 rat Pfn1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol 1mM DTT

Molecular Weight: 17.5 kDa (164aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMAGWNAIDSLMADGTCQDAAIVGYKDSPSVWAAVPGKTFVSITPAEVGV
LVGKDRSSFFVNGLTLGGQKCSVIRDSLLQDGEFTMDLRTKSTGGAPTFNVTMTAKTLVLLMGKEGVHGGLINK
KCYEMASHLRRSQY

Purity: > 95% by HPLC

Concentration: 1mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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.