

PFN4 Human

Description: PFN4 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 149 amino acids(1-129 a.a.) and having a molecular mass of 16.4 kDa. PFN4 protein is fused to a 20 amino acid His tag at N-terminus and purified by standard chromatography.

Catalog #: PRPS-825

For research use only.

Synonyms: PFN-4, Profilin-IV, Profilin4.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MSHLQSLLLD TLLGTKHVDS
AALIKIQERS LCVASPGFNV TPSDVRTLNV GFAKNPLQAR REGLYFKGKDYRCVRADEYS
LYAKNENTGV VVVKTHLYLL VATYTEGMYP SICVEATESL GDYLRKKGS.

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

PFN4 Human solution containing 20mM Tris HCL pH-8, 1mM DTT and 10% glycerol.

Stability:

PFN4 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

PFN4 is a small actin-binding protein that participates in the dynamic turnover and restructuring of the actin cytoskeleton. PFN4 is localized in all eukaryotic organisms in the majority of cells. PFN4 is crucial for spatially and temporally controlled growth of actin microfilaments, which is a necessary process in cellular locomotion and cell shape changes.

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