
Product Data Sheet

Product Name: PFN4 Human
 Cat. No.: GP24173
 Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | PFN-4; Profilin-IV; Profilin4. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MSHLQSLLLD TLLGTKHVDS AALIKIQERS LCVASPGFNV TPSDVRTLNV GFAKNPLQAR REGLYFKGKD YRCVRADEYS LYAKNENTGV VVKTHLYLL VATYTEGMYP SICVEATESL GDYLRKKGS. | | |
| Formulation | PFN4 Human solution containing 20mM Tris HCL pH-8, 1mM DTT and 10% glycerol. | | |

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.

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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