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32-4442: Recombinant Human Profilin-2

Alternative Name : Profilin-II,PFN2,Profilin-2,PFL,D3S1319E.

Description

Source : Escherichia Coli. PFN2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 160 amino acids (1-140 a.a.) and having a molecular mass of 17.2 kDa. PFN2 protein is fused to a 20 amino acid His-Tag at N-terminus and purified by standard chromatography. PFN2 is a ubiquitous actin monomer-binding protein which is part of the profilin family. PFN2 regulates actin polymerization in response to extra cellular signals. PFN2 binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, while it increases it at low concentrations. PFN2 binds to PIP2, it inhibits the formation of IP3 and DG.

Product Info

Amount :	10 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	PFN2 protein solution (1mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MAGWQSYVDN LMCDGCCQEA AIVGYCDAKY VWAATAGGVF QSITPIEIDM IVGKDREGFF TNGLALGAKK CSVIRDSLYV DGDCTMDIRT KSQGGEPTYN VAVGRAGRVL VFVMGKEGVH GGGLNKKAYS MAKYLRDSGF.

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