

Profilin-4, 1-129aa, Human, His tag, E.coli

Cat.NO.: TP03535

3th Edition

Synonyms:Profilin IV, PFN4

Description:Profilin-4, also known as PFN4, is a small actin-binding protein involved in the dynamic turnover and restructuring of the actin cytoskeleton. It is found in all eukaryotic organisms in most cells. Also, this is important for spatially and temporally controlled growth of actin microfilaments, which is an essential process in cellular locomotion and cell shape changes.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Molecular Weight:16.4 kDa (149aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMSHLQSLLLDTLLGTHKDVSAALIKIQRSLCVASPGFNVTSPDVRTLNVNGFAKNP
LQARREGLYFKGKDYRCVRADEYSLYAKNENTGVVVVKTHLYLLVATYTEGMYPsicVEATESLGDYLRKKGS

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

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.