Recombinant human Profilin 4/PFN4 protein

Catalog Number: ATGP0509

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-129aa

UniProt No.
Q8NHR9

NCBI Accession No.
NP_955378

Alternative Names
Profilin family member 4, Profilin-4, Profilin IV, Pfn4

PRODUCT SPECIFICATION

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

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human Profilin-4, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Recombinant human Profilin 4/PFN4 protein

Catalog Number: ATGP0509

Amino acid Sequence

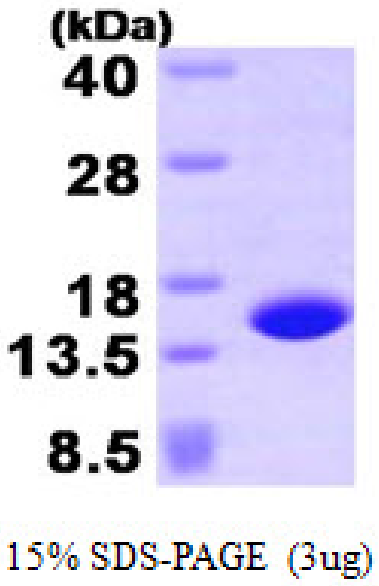
<MGSSHHHHHH SSGLVPRGSH> MSHLQSLLLD TLLGTKHVDS AALIKIQERS LCVASPGFNV TPSDVRTLVN GFAKNPLQAR REGLYFKGKD YRCVRADEYS LYAKNENTGV VVVKTHLYLL VATYTEGMYP SICVEATESL GDYLRKKGS

General References

Witke W., et al. (2004) Trends Cell Biol. 14(8):461-9.
Behnen M., et al. (2009) BMC Cell Biol. 10:34.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.