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Recombinant human Cofilin 2/CFL2 protein

Catalog Number: ATGP1183

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-166aa

UniProt No.

O9Y281

NCBI Accession No.

NP 068733

Alternative Names

CFL2, Cofilin 2, NEM7

PRODUCT SPECIFICATION

Molecular Weight

20.9 kDa (186a) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 50mM Nacl

Purity

> 90% 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

CFL2 protein belongs to the actin-binding proteins ADF family that contains 1 ADF-H domain. Cofilin is a widely distributed intracellular actin-modulating protein that binds and depolymerizes filamentous F-actin and inhibits the polymerization of monomeric G-actin in a pH-dependent manner. Defects in CFL2 are the cause of nemaline myopathy type 7 (NEM7). Recombinant human CFL2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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Amino acid Sequence

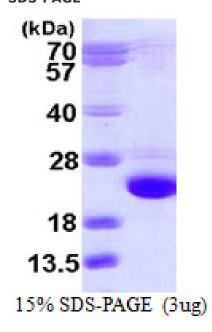
MGSSHHHHHH SSGLVPRGSH MASGVTVNDE VIKVFNDMKV RKSSTQEEIK KRKKAVLFCL SDDKRQIIVE EAKQILVGDI GDTVEDPYTS FVKLLPLNDC RYALYDATYE TKESKKEDLV FIFWAPESAP LKSKMIYASS KDAIKKKFTG IKHEWQVNGL DDIKDRSTLG EKLGGNVVVS LEGKPL

General References

Agrawal P.B., et al. (2007) Am. J. Hum. Genet. 80:162-167 Gillett GT, et al. (1996). Ann. Hum. Genet. 60 (Pt 3): 201-11

DATA

SDS-PAGE



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

