

AR39125PU-N

Human Cofilin-2 (1-166, His-tag) - Purified

Alternate names:

CFL2, Cofilin, Cofilin2, muscle isoform

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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).

Uniprot ID:

[Q9Y281](#)

NCBI:

[NP_068733](#)

GeneID:

[1073](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 50mM NaCl

Description:

Recombinant human CFL2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

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

Molecular weight: 20.9 kDa (186aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

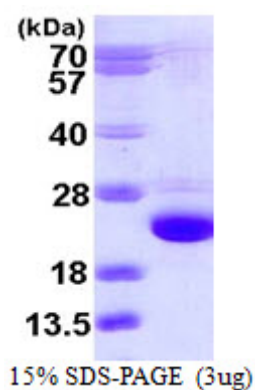
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Agrawal P.B., et al. (2007) Am. J. Hum. Genet. 80:162-167.

Pictures:



Recombinant human CFL2, 1-166aa, His-tagged

