

Product information

Cofilin 1, 1-166 aa

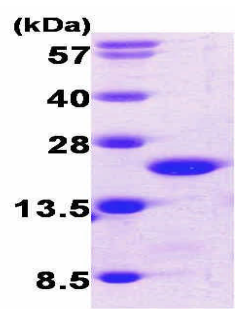
Human, His tagged, Recombinant, *E.coli*

Cat. No. IBCOF0701

Synonyms: CFL1, CFL, 18 kDa phosphoprotein(p18)

NCBI Accession No.: NP_005498

Description: Cofilin is a family of actin-binding proteins which disassembles actin filaments. It 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. It is involved in the translocation of actin-cofilin complex from cytoplasm to nucleus. Recombinant human Cofilin, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol</p> <p>Molecular Weight: 20kDa (186aa), confirmed by MALDI-TOF</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p> <p>Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)</p>	 <p>15% SDS-PAGE (3µg)</p>
<p>Sequences of amino acids:</p> <p>MGSSHHHHHH SSGLVPRGSH MASGVAVSDG VIKVFNDMKV RKSSTPEEVK KRKKAVLFCL SEDKKNII LE EGKEILVGDV GQTVDDPYAT FVKMLPDKDC RYALYDATYE TKESKKEDLV FIFWAPESAP LKSKMIYASS KDAIKKKLTG IKHELQANCY EEVKDRCTLA EKLGGSAVIS LEGKPL</p>	

General references:

Mannherz H.G., *et al* (2007). *J. Mol. Biol.* **366** (3)745-755.

Olsen J.V., *et al* (2006). *Cell.* **127**(3)635-648

Yang N., *et al* (1998) *Nature.* **393**(6687)809-812

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.

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