

Recombinant Human Cofilin 1 (non-muscle), His-tagged

Cat. No. CFL1-1580H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human CFL1 was expressed in E. coli cells using an N-terminal His tag.
Species	Human
Source	E.coli
Description	Cofilin 1 (non-muscle), also known as CFL1, 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. CFL1 processed proteins are most probably produced by HIV-1 protease digestion.
Applications	Western Blot
Molecular Weight	23 kDa
Expression System	E. coli
Form	Recombinant protein stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 2 mM DTT, 25 % glycerol.
Purity	> 95 %
Concentration	0.2 ug/ul

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences	Full-length
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Pathways	Axon guidance; CDC42 signaling events; CXCR4-mediated signaling events; Fc gamma R-mediated phagocytosis; Formation of Platelet plug; G13 Signaling Pathway; Hemostasis; Pertussis; Platelet Activation; RAC1 signaling pathway; Regulation of Actin Cytoskeleton; RhoA signaling pathway; Sema3A PAK dependent Axon repulsion; Semaphorin interactions
GENE INFORMATION	
Gene Name	CFL1 cofilin 1 (non-muscle) [Homo sapiens]
Official Symbol	CFL1
Synonyms	CFL1; cofilin 1 (non-muscle); CFL; cofilin-1; p18; OTTHUMP00000233679; OTTHUMP00000233680; OTTHUMP00000233681; OTTHUMP00000233682; OTTHUMP00000233740; OTTHUMP00000233741; OTTHUMP00000233742; 18 kDa phosphoprotein; Cofilin-1, non-muscle isoform; Cofilin-1
Gene ID	1072
mRNA Refseq	NM_005507
Protein Refseq	NP_005498
MIM	601442

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	P23528
Chromosome Location	11q13
Function	actin binding; protein binding
PDB rendering based on 1q8g.	