SignalChem
Specialists in Signaling Proteins
1-866-9 KINASE (54-6273)

Catalog #	Aliquot Size
C37-54H-20	20 µg
C37-54H-50	50 µg

Cofilin 1 Protein

Full-length recombinant protein expressed in E. coli cells

Catalog # C37-54H
Lot # D061-4

Product Description

Recombinant full-length human Cofilin 1 was expressed in E. coli cells using an N-terminal His tag. The gene accession number is NM_005507.

Gene Aliases

CFL1, CFL

Formulation

Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 2mM DTT, 25% glycerol.

Storage and Stability

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.

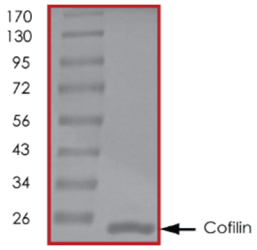
Scientific Background

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 (1). It is involved in the translocation of actin-cofilin complex from cytoplasm to nucleus (2). CFL1 processed proteins are most probably produced by HIV-1 protease digestion.

References

1. *Maciver, S.K. et al: The ADF/cofilin family: actin-remodeling proteins.". Genome Biol. 2002; 3 (5): reviews 3007.*
2. *Samstag, Y. Et al: Iteraction of cofilin with the serine phosphatases PP1 and PP2A in normal and neoplastic human T lymphocytes.". Adv. Enzyme Regul. 2004;97–211.*

Purity



The purity of Cofilin 1 was determined to be **>95%** by densitometry.
Approx. MW **23kDa**.

Cofilin 1 Protein

Full-length recombinant protein expressed in E. coli cells

Catalog #	C37-54H
Lot #	D061-4
Purity	>95%
Concentration	0.2 µg/µl
Stability	1yr at –70°C from date of shipment
Storage & Shipping	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. Product shipped on dry ice.

To place your order, please contact us by phone 1-(604)-232-4600, fax 1-604-232-4601 or by email: orders@signalchem.com
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