

Datasheet for ABIN6699707 Cofilin Protein (His tag)



[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	Cofilin (CFL1)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cofilin protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	Cofilin 1 recombinant protein-HIS Epitope
Purification:	Recombinant full-length human Cofilin 1 was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >95% by densitometry.
Purity:	>95%

Target Details

Target:	Cofilin (CFL1)
Alternative Name:	CFL1 (CFL1 Products)
Background:	Synonyms: CFL1, CFL, Cofilin-1, 18 kDa phosphoprotein, p18, Cofilin, non-muscle isoform 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

Target Details

translocation of actin-cofilin complex from cytoplasm to nucleus (2). CFL1 processed proteins are most probably produced by HIV-1 protease digestion. Cofilin 1 Protein is ideal for investigators involved in Signaling Proteins, Microtubule/Actin Associated Proteins, Cancer, Cardiovascular Disease, Invasion/Metastasis, and Neurobiology research.

NCBI Accession: [NM_005507](#)

Pathways: [Regulation of Cell Size, Tube Formation, Protein targeting to Nucleus, CXCR4-mediated Signaling Events](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: Cofilin 1 Protein is suitable for use in Western Blot. Expect a band approximately ~ 23 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: Cofilin 1 Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.25 mM DTT, 0.1 mM EGTA, 0.1 mM EDTA, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: 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.

Expiry Date: 12 months