Recombinant Human CFL1, His-tagged

Cat. No. CFL1-26844TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full length human Cofilin, with an N terminal His-tag. 186 aa,
Species	Human
Source	E.coli
Description	The protein encoded by this gene can polymerize and depolymerize F-actin and G-actin in a pH-dependent manner. Increased phosphorylation of this protein by LIM kinase aids in Rho-induced reorganization of the actin cytoskeleton. 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. It is involved in the translocation of actin-cofilin complex from cytoplasm to nucleus.
Conjugation	HIS
Tissue specificity	Widely distributed in various tissues.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris, pH 8
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Sequence Similarities	Belongs to the actin-binding proteins ADF family.Contains 1 ADF-H domain.
Full Length	Full L.

GENE INFORMATION

Gene Name	CFL1 cofilin 1 (non-muscle) [Homo sapiens]
Official Symbol	CFL1
Synonyms	CFL1; cofilin 1 (non-muscle); CFL; cofilin-1;
Gene ID	1072
mRNA Refseq	NM_005507
Protein Refseq	NP_005498
MIM	601442
Uniprot ID	P23528
Chromosome Location	11q13.1
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; CDC42 signaling events, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem;
Function	actin binding; protein binding;

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