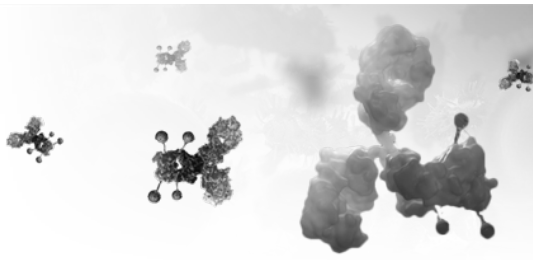

Human CFL1 peptide (DAG-P1471)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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.[supplied by OMIM, Apr 2004]
Specificity	Widely distributed in various tissues.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the actin-binding proteins ADF family.Contains 1 ADF-H domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	CFL1 cofilin 1 (non-muscle) [Homo sapiens (human)]
Official Symbol	CFL1
Synonyms	CFL1; cofilin 1 (non-muscle); CFL; HEL-S-15; cofilin-1; p18; 18 kDa phosphoprotein; cofilin, non-muscle isoform; epididymis secretory protein Li 15;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Entrez Gene ID	1072
mRNA Refseq	NM_005507.2
Protein Refseq	NP_005498.1
UniProt ID	P23528
Chromosome Location	11q13
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; BDNF signaling pathway, organism-specific biosystem; CDC42 signaling events, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; Fcgamma receptor (FCGR) dependent phag
Function	actin binding; protein binding;

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