

Product datasheet for **AR09012PU-L**

Cofilin-1 (1-166, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Cofilin-1 (1-166, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MASGVAVSDG VIKVFNDMKV RKSSTPEEVK KRKKAVLFCL SEDKKNIIIE EGKEILVGDV GQTVDDPYAT FVKMLPKDC RYALYDATYE TKESKEDLV FIFWAPESAP LKSKMIYASS KDAIKKLTG IKHELQANCY EEVKDRCTLA EKLGGSAVIS LEGKPL
Tag:	His-tag
Predicted MW:	20 kDa
Concentration:	lot specific
Purity:	>95% >= 95% by SDS PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris pH 8.0, 10% Glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human Cofilin, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Note:	NCBI Accession : NP_005498
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_005498
Locus ID:	1072
UniProt ID:	P23528
Cytogenetics:	11q13.1
Synonyms:	CFL1, CFL, p18



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Summary:

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]

Protein Families:

Druggable Genome

Protein Pathways:

Axon guidance, Fc gamma R-mediated phagocytosis, Regulation of actin cytoskeleton

Product images: