

# Product datasheet for AR39125PU-L

### Cofilin-2 (1-166, His-tag) Human Protein

#### **Product data:**

#### OriGene Technologies, Inc.

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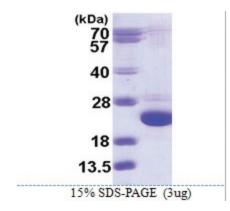
Product Type:	Recombinant Proteins
Description:	Cofilin-2 (1-166, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MASGVTVNDE VIKVFNDMKV RKSSTQEEIK KRKKAVLFCL SDDKRQIIVE EAKQILVGDI GDTVEDPYTS FVKLLPLNDC RYALYDATYE TKESKKEDLV FIFWAPESAP LKSKMIYASS KDAIKKKFTG IKHEWQVNGL DDIKDRSTLG EKLGGNVVVS LEGKPL
Tag:	His-tag
Predicted MW:	20.9 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 10% glycerol, 50 mM Nacl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CFL2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 001230574</u>
Locus ID:	1073
UniProt ID:	<u>Q9Y281</u>
Cytogenetics:	14q13.1
Synonyms:	NEM7



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	Cofilin-2 (1-166, His-tag) Human Protein – AR39125PU-L
Summary:	This gene encodes an intracellular protein that is involved in the regulation of actin-filament dynamics. This protein is a major component of intranuclear and cytoplasmic actin rods. It can bind G- and F-actin in a 1:1 ratio of cofilin to actin, and it reversibly controls actin polymerization and depolymerization in a pH-dependent manner. Mutations in this gene cause nemaline myopathy type 7, a form of congenital myopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2009]
Protein Familie	s: Druggable Genome
Protein Pathwa	ys: Axon guidance, Fc gamma R-mediated phagocytosis, Regulation of actin cytoskeleton

## Product images:



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