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Product datasheet for AR39125PU-L

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

Product data:

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:	MGSSHHHHHH SSGLVPRGSH 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:	NP_001230574
Locus ID:	1073
UniProt ID:	Q9Y281
Cytogenetics:	14q13.1
Synonyms:	NEM7

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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 Families: Druggable Genome

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

Product images: