

Recombinant Full Length Human CFL2 Protein

Cat. No. CFL2-73HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Cofilin 2 with N terminal proprietary tag; Predicted MWt 44.33 kDa including the tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	166 amino acids
Description	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.
Form	Liquid
Molecular Mass	44.330kDa inclusive of tags
AA Sequence	MASGVTVNDEVIKVFNDMKVRKSSTQEEIKRKKAVLFCL SDDKRQIIVEEAKQILVG DIGDTVEDPYTSFVKLLPLNDC RYALYDATYETKESKKEDLVFIFWAPESAPLKSKMI YASS KDAIKKKFTGIKHEWQVNGLDDIKDRSTLGEKLGGNVVVS LEGKPL
Purity	Proprietary Purification

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
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Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.
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GENE INFORMATION

Gene Name	CFL2 cofilin 2 (muscle) [Homo sapiens]
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Official Symbol	CFL2
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Synonyms	CFL2; cofilin 2 (muscle); cofilin-2
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Gene ID	1073
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mRNA Refseq	NM_001243645
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Protein Refseq	NP_001230574
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MIM	601443
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UniProt ID	Q9Y281
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