

# Recombinant Full Length Human CFL2 Protein

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

## SPECIFICATION

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

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**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## GENE INFORMATION

**Gene Name** CFL2 cofilin 2 (muscle) [ Homo sapiens ]

**Official Symbol** CFL2

**Synonyms** CFL2; cofilin 2 (muscle); cofilin-2

**Gene ID** 1073

**mRNA Refseq** NM\_001243645

**Protein Refseq** NP\_001230574

**MIM** 601443

**UniProt ID** Q9Y281

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