

Recombinant Human CFL2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CFL2-6639H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CFL2 MS Standard C13 and N15-labeled recombinant protein (NP_619579) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	18.7 kDa
AA Sequence	MASGVTVNDEVIKVFNDMKVRKSSTQEEIKRKKAVLFCLSDDKRQIIVEEAKQILVG DIGDTVEDPYTSFVKLLPLNDCRYALYDATYETKESKKEDLVFIFWAPESAPLKSKMI YASSKDAIKKKFTGIKHEWQVNGLDDIKDRSTLGEKLGGNVVVSLEGKPLTRTRPLE QKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CFL2 cofilin 2 [Homo sapiens (human)]

Official Symbol CFL2

Synonyms CFL2; cofilin 2 (muscle); cofilin-2; cofilin, muscle isoform; NEM7;

Gene ID 1073

mRNA Refseq NM_138638

Protein Refseq NP_619579

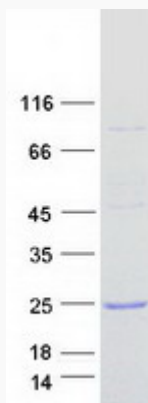
MIM 601443

UniProt ID Q9Y281

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SDS-PAGE

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