

Recombinant Human CFL2, GST-tagged

Cat. No. CFL2-11143H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CFL2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-166a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	CFL2 cofilin 2 (muscle) [Homo sapiens]
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Official Symbol	CFL2
Synonyms	CFL2; cofilin 2 (muscle); cofilin-2; cofilin, muscle isoform; NEM7;
Gene ID	1073
mRNA Refseq	NM_001243645
Protein Refseq	NP_001230574
MIM	601443
UniProt ID	Q9Y281
Chromosome Location	14q13.2
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; G13 Signaling Pathway, organism-specific biosystem; Pertussis, organism-specific biosystem;
Function	actin binding; protein binding;