# Recombinant Human CFL2, GST-tagged

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

## SPECIFICATION

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| **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℃. Avoid repeated freezing and thawing cycles. |
| **Storage Buffer** | 1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100,15%glycerol. |

## GENE INFORMATION

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| **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; |

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