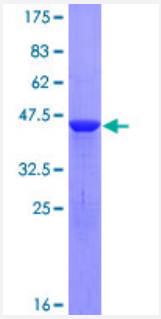
Full-Length

CFL2 (Human) Recombinant Protein (P01)

Catalog # H00001073-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CFL2 full-length ORF (NP_068733.1, 1 a.a. - 166 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MASGVTVNDEVIKVFNDMKVRKSSTQEEIKKRKKAVLFCLSDDKRQIIVEEAKQILVGDIGDTVED PYTSFVKLLPLNDCRYALYDATYETKESKKEDLVFIFWAPESAPLKSKMIYASSKDAIKKKFTGIKH EWQVNGLDDIKDRSTLGEKLGGNVVVSLEGKPL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	45.1
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CFL2

Entrez GeneID	1073
GeneBank Accession#	NM_021914.5
Protein Accession#	NP_068733.1
Gene Name	CFL2
Gene Alias	NEM7
Gene Description	cofilin 2 (muscle)
Omim ID	601443 610687
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	cofilin 2

Pathway

- Axon guidance

- Fc gamma R-mediated phagocytosis
- Regulation of actin cytoskeleton