

## Cofilin-1 (CFL1) Recombinant Protein | CFL1 recombinant protein

Recombinant Human Cofilin-1 (CFL1) Protein

CATALOG #  
**AAA55981**

HOST  
**E. coli AA 1-166 (P23528).**

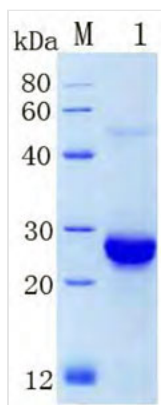
### PRODUCT SYNONYMS

Cofilin-1 (CFL1); Recombinant Human Cofilin-1 (CFL1) Protein; CFL1; CFL; HEL-S-15; CFL1 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E. coli AA 1-166 (P23528).                                                                                                                                                                                                                                                                    |
| Purity/Purification     | > 90 % as determined by SDS-PAGE.                                                                                                                                                                                                                                                             |
| Form/Format             | 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, 300 mM Imidazole, pH 7.4, 15% glycerol.                                                                                                                                                         |
| Concentration           | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                                                       |
| Sequence                | MASGVAVSDG VIKVFNDMKV RKSSTPEEVK KRKKAVLFCL SEDKKNIILE EGKEILVGDV GQTVDDPYAT FVKMLPKDC RYALYDATYE TKESKKEDLV FIFWAPESAP LKSKMIYASS KDAIKKKLTG IKHELQANCY EEVKDRCTLA EKLGGSAVIS LEGKPL                                                                                                         |
| Sequence Length         | 166                                                                                                                                                                                                                                                                                           |
| Species                 | Human                                                                                                                                                                                                                                                                                         |
| Source                  | Human                                                                                                                                                                                                                                                                                         |
| Protein residue         | with N-terminal 6*His Tagged.                                                                                                                                                                                                                                                                 |
| Usage                   | CFL1 Protein - Centrifuge the standard vial at 6000-10000rpm for 30s.                                                                                                                                                                                                                         |
| Preparation and Storage | Storage: Store it under sterile conditions at -20°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.<br>**Avoid repeated freeze-thaw cycles.**<br>Stability: The recombinant protein is stable for up to 6 months from date of receipt at -80°C. |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Related Product Information for CFL1 recombinant protein | Cofilin is a widely distributed intracellular actin-modulating protein that binds and depolymerizes filamentous F-actin and inhibits the polymerization of monomeric G-actin in a pH-dependent manner. It is involved in the translocation of actin-cofilin complex from cytoplasm to nucleus. CFL1 is a part of the ADF/cofilin family. Cofilin is a widely distributed intracellular actin-modulating protein that binds and depolymerizes filamentous F-actin and inhibits the polymerization of monomeric G-actin in a pH-dependent manner. It is involved in the translocation of actin-cofilin complex from cytoplasm to nucleus. One group reports that reelin signaling leads to serine3-phosphorylation of cofilin-1, and this interaction may play a role in the reelin-related regulation of neuronal migration. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| NCBI GI #                        | 5031635                                     |
| NCBI GeneID                      | 1072                                        |
| NCBI Accession #                 | NP_005498.1                                 |
| NCBI GenBank Nucleotide #        | NM_005507.2                                 |
| UniProt Accession #              | P23528; Q53Y87; Q9UCA2; B3KUQ1              |
| Molecular Weight                 | Predicted MW: 25 kDa<br>Observed MW: 25 kDa |
| NCBI Official Full Name          | cofilin-1                                   |
| NCBI Official Synonym Full Names | cofilin 1                                   |
| NCBI Official Symbol             | CFL1                                        |
| NCBI Official Synonym Symbols    | CFL; cofilin; HEL-S-15                      |
| NCBI Protein Information         | cofilin-1                                   |
| UniProt Protein Name             | Cofilin-1                                   |
| UniProt Gene Name                | CFL1                                        |
| UniProt Synonym Gene Names       | CFL; p18                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cfl1-recombinant-protein-e-coli-aa-1-166-p23528/55981>