

CFL2 Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP20625c**Specification**

CFL2 Blocking Peptide (C-term) - Product Information

Primary Accession [Q9Y281](#)
Other Accession [Q5XHH8](#), [Q5G6V9](#), [P45591](#), [P21566](#), [Q148F1](#)

CFL2 Blocking Peptide (C-term) - Additional Information

Gene ID 1073

Other Names

Cofilin-2, Cofilin, muscle isoform, CFL2

Target/Specificity

The synthetic peptide sequence is selected from aa 130-164 of HUMAN CFL2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CFL2 Blocking Peptide (C-term) - Protein Information

Name CFL2

Function

Controls reversibly actin polymerization and depolymerization in a pH-sensitive manner. Its F-actin depolymerization activity is regulated by association with CSPR3 (PubMed:19752190). It has the ability to bind G- and F-actin in a 1:1 ratio of cofilin to actin. It is the major component of intranuclear and cytoplasmic actin rods. Required for muscle maintenance. May play a role during the exchange of alpha-actin forms during the early postnatal remodeling of the sarcomere (By similarity).

Cellular Location

Nucleus matrix. Cytoplasm, cytoskeleton. Note=Colocalizes with CSPR3 in the Z line of sarcomeres.

Tissue Location

Isoform CFL2b is expressed predominantly in skeletal muscle and heart. Isoform CFL2a is

expressed in various tissues

CFL2 Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CFL2 Blocking Peptide (C-term) - Images

CFL2 Blocking Peptide (C-term) - Background

Controls reversibly actin polymerization and depolymerization in a pH-sensitive manner. It has the ability to bind G- and F-actin in a 1:1 ratio of cofilin to actin. It is the major component of intranuclear and cytoplasmic actin rods (By similarity).

CFL2 Blocking Peptide (C-term) - References

Jin J.,et al.Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.
Thirion C.,et al.Eur. J. Biochem. 268:3473-3482(2001).
Heilig R.,et al.Nature 421:601-607(2003).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Bienvenut W.V.,et al.Submitted (MAR-2008) to UniProtKB.