

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Cofilin 1 (D9) Peptide

Cat No.: BS5561P

#### Background

Cofilin is ubiquitously expressed in eukaryotic cells where it binds to Actin, thereby regulating the rapid cycling of Actin assembly and disassembly, essential for cellular viability. Cofilin is a low molecular weight protein that binds to filamentous F-Actin by bridging two longitudinally-associated Actin subunits, changing the F-Actin filament twist. This process is allowed by the dephosphorylation of Cofilin Ser 3 by factors like opsonized zymosan. LIM kinase 1 (LIMK-1), a serine kinase, phosphorylates Cofilin and renders it unable to bind and depolymerize F-Actin.

#### Swiss-Prot

P23528

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS5561 Cofilin 1 (D9) pAb.

#### Purification & Purity

Synthetic peptide Cofilin 1 (D9). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.