

### **Profilin-1 Blocking Peptide**

Synthetic peptide Catalog # BP22110a

#### **Specification**

### **Profilin-1 Blocking Peptide - Product Information**

Primary Accession <u>P07737</u>

Other Accession <u>P02584</u>, <u>P62962</u>, <u>P62963</u>

### **Profilin-1 Blocking Peptide - Additional Information**

**Gene ID 5216** 

#### **Other Names**

Profilin-1, Epididymis tissue protein Li 184a, Profilin I, PFN1

### Target/Specificity

The synthetic peptide sequence is selected from aa 128-140 of HUMAN PFN1

#### **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.

#### **Profilin-1 Blocking Peptide - Protein Information**

#### Name PFN1

### **Function**

Binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG. Inhibits androgen receptor (AR) and HTT aggregation and binding of G-actin is essential for its inhibition of AR.

#### **Cellular Location**

Cytoplasm, cytoskeleton.

#### **Tissue Location**

Expressed in epididymis (at protein level).

## **Profilin-1 Blocking Peptide - Protocols**



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

• Blocking Peptides

**Profilin-1 Blocking Peptide - Images** 

## **Profilin-1 Blocking Peptide - Background**

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# **Profilin-1 Blocking Peptide - References**

Kwiatkowski D.J., et al.J. Biol. Chem. 263:5910-5915(1988). Li J., et al.Mol. Cell. Proteomics 9:2517-2528(2010). Kalnine N., et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases. Ota T., et al.Nat. Genet. 36:40-45(2004). Ebert L., et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.