

PFN1 Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP21569b

Specification

PFN1 Blocking Peptide (C-term) - Product Information

Primary Accession

[P07737](#)**PFN1 Blocking Peptide (C-term) - 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 87-100 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.

PFN1 Blocking Peptide (C-term) - 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).

PFN1 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

PFN1 Blocking Peptide (C-term) - Images

PFN1 Blocking Peptide (C-term) - Background

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.

PFN1 Blocking Peptide (C-term) - 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/DBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Ebert L., et al. Submitted (MAY-2004) to the EMBL/GenBank/DBJ databases.