

Profilin-1 Blocking Peptide

Synthetic peptide

Catalog # BP22110a

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

Primary Accession [P07737](#)
Other Accession [P02584](#), [P62962](#),
[P62963](#)

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

Profilin-1 Blocking Peptide - 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.

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).
Kalline 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.

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](#)