

H1FNT Blocking Peptide (N-Term)

Synthetic peptide

Catalog # BP21787a

Specification

H1FNT Blocking Peptide (N-Term) - Product Information

Primary Accession

[Q75WM6](#)**H1FNT Blocking Peptide (N-Term) - Additional Information**

Gene ID 341567

Other Names

Testis-specific H1 histone, Haploid germ cell-specific nuclear protein 1, Histone H1t2, H1FNT, HANP1

Target/Specificity

The synthetic peptide sequence is selected from aa 79-93 of HUMAN H1FNT

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.

H1FNT Blocking Peptide (N-Term) - Protein InformationName H1-7 ([HGNC:24893](#))**Function**

Essential for normal spermatogenesis and male fertility (PubMed:16533358). Required for proper cell restructuring and DNA condensation during the elongation phase of spermiogenesis. Involved in the histone-protamine transition of sperm chromatin and the subsequent production of functional sperm. Binds both double-stranded and single-stranded DNA, ATP and protamine-1.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q8CJI4}. Chromosome {ECO:0000250|UniProtKB:Q8CJI4}. Note=In round and elongating spermatids, specifically localizes to a chromatin domain at the apical pole. {ECO:0000250|UniProtKB:Q8CJI4}

Tissue Location

Testis-specific..

H1FNT Blocking Peptide (N-Term) - Protocols

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

- [Blocking Peptides](#)

H1FNT Blocking Peptide (N-Term) - Images

H1FNT Blocking Peptide (N-Term) - Background

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H1FNT Blocking Peptide (N-Term) - References

Huang C.Q.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Scherer S.E.,et al.Nature 440:346-351(2006).
Tanaka H.,et al.Int. J. Androl. 29:353-359(2006).
Martianov I.,et al.Proc. Natl. Acad. Sci. U.S.A. 102:2808-2813(2005).