

Datasheet for ABIN7559392

H1 Histone Family, Member N, Testis-Specific (H1FNT) (AA 1-398) protein (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	H1 Histone Family, Member N, Testis-Specific (H1FNT)
Protein Characteristics:	AA 1-398
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant H1-7 Protein expressed in mammalian cells.
Sequence:	<p>MAEAVQPSGE SQGAELTIQI QQPAERALRT PAKRGTQSVL RVSQLLLRAI AGHQHLTLDA LKKELGNAGY EVRREISHH EGKSTRLEKG TLLRVSGSDA AGYFRVWKIS KPREKAGQSR LTLGSHSSGK TVLKSPRPLR PRSRRKAAKK AREVWRRKAR ALKARSRRVR TRSTSGARSR TRSRASSRAT SRATSRARSR ARSRAQSSAR SSARSSAKSS AKSSTRSSAK SWARSKARSR ARSRAKDLVR SKAREQAQAR EQARARAREQ AHARARTQDW VRAKAQEFVS AKEQQYVRAK EQERAKAREQ VRIGARDEAR IKAKDYNRVR PTKEDTSPRP AEEKSSNSKL REEKQGEPER PVKQTIQKPA LDNAPSIQ GK ACTKSFTKSG QPGDTESP Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

H1 Histone Family, Member N, Testis-Specific (H1FNT)

Alternative Name:

H1-7 ([H1FNT Products](#))

Background:

Testis-specific H1 histone (Haploid germ cell-specific nuclear protein 1) (Histone H1.7) (Histone H1t2),FUNCTION: Essential for normal spermatogenesis and male fertility. 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. {ECO:0000269|PubMed:15710904, ECO:0000269|PubMed:16055721}.

Molecular Weight:

44.4 kDa

UniProt:

[Q8CJI4](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months