

Datasheet for ABIN7548196

H1 Histone Family, Member N, Testis-Specific (H1FNT) (AA 1-255) protein (His tag)



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Overview

Quantity:	1 mg
Target:	H1 Histone Family, Member N, Testis-Specific (H1FNT)
Protein Characteristics:	AA 1-255
Origin:	Human
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:	MEQALTGEAQ SRWPRRGGSG AMAEAPGPSG ESRGHSATQL PAEKTVGGPS RGCSSSVLRV SQLVLQAIST HKGLTLAALK KELRNAGYEV RRKSGRHEAP RGQAKATLLR VSGSDAAGYF RVWKVPKPRR KPGRARQEEG TRAPWRTPAA PRSSRRRRQP LRKAARKARE VWRRNARAKA KANARARTR RARPRAKEPP CARAKEEAGA TAADEGRGQA VKEDTTPRSG KDKRRSSKPR EEKQEPKPA QRTIQ 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.
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.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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 (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. {ECO:0000250 UniProtKB:Q8CJI4, ECO:0000269 PubMed:16533358}.
Molecular Weight:	28.1 kDa
UniProt:	Q75WM6

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.
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