

Datasheet for ABIN7559963
H1FOO Protein (AA 1-304) (His tag)



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Overview

Quantity:	1 mg
Target:	H1FOO
Protein Characteristics:	AA 1-304
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This H1FOO protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant H1.8 Protein expressed in mammalian cells.
Sequence:	<p>MAPGSVSSVS SSSFPSRDTS PSGSCGLPGA DKPGPSCRRI QAGQRNPTML H MVLEALKAR EARQGTSVVA IKVYIQHKYP TVDTRFKYL LKQALETGVR RGLLTRPAHS KAKGATGSFK LVPKPKTKKA CAPKAGRGAA GAKETGSKKS GLLKKDQVGK ATMEKGQKRR AYPCKAATLE MAPKKAKAKP KEVRKAPLKQ DKAAGAPLTA NGGQKVKRSG SRQEANAHGK TKGEKSKPLA SKVQNSVASL AKRKMADMAH TVTVVQGAET VQETKVPTPS QDIGHKVQPI PRVRKAKTPE NTQA</p> <p>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.
Characteristics:	Key Benefits:

Product Details

- 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)
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Grade:	custom-made
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Target Details

Target:	H1FOO
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Alternative Name:	H1.8 (H1FOO Products)
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Background:	<p>Histone H1.8 (Histone H1oo) (Oocyte-specific histone H1) (Oocyte-specific linker histone H1),FUNCTION: May play a key role in the control of gene expression during oogenesis and early embryogenesis, presumably through the perturbation of chromatin structure. Essential for meiotic maturation of germinal vesicle-stage oocytes. The somatic type linker histone H1c is rapidly replaced by H1oo in a donor nucleus transplanted into an oocyte. The greater mobility of H1oo as compared to H1c may contribute to this rapid replacement and increased instability of the embryonic chromatin structure. The rapid replacement of H1c with H1oo may play an important role in nuclear remodeling. {ECO:0000269 PubMed:11171391, ECO:0000269 PubMed:14729479, ECO:0000269 PubMed:15371275, ECO:0000269 PubMed:17519519}.</p>
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Molecular Weight:	32.2 kDa
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UniProt:	Q8VIK3
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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
