

[Go to Product page](#)

Datasheet for ABIN7564987

**HORMAD1 Protein (AA 1-392) (His tag)**

## Overview

Quantity:	1 mg
Target:	HORMAD1
Protein Characteristics:	AA 1-392
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HORMAD1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Hormad1 Protein expressed in mammalian cells.
Sequence:	MATMQLQRTA SLSALVFPNK ISTEHQSLMF VKRLLAVSVS CITYLRGIFP ERAYGTRYLD DLCVKILKED KNCPGSSQLV KWMLGCYDAL QKKYLMIIL AVYTNPQDPQ TISECYQFKF KYTKNGPIMD FISKQNQNK STTSADTKKA SILLIRKIYV LMQNLGPLPN DVCLTMKLFY YDEVTPPDYQ PPGFKDGDCE GVIFDGDPTY LNVGEVPTPF HTFRLKVTTTE KERMENIDST ILKPESKTQ FEKILMDKDD VEDENHNNFD IKTKMNEQNE NSGASEIKEP NLDCKEEETM QFKKSQSPSI SHCQVEQLVS KTSSELDVSES KTRSGKIFQS KMVNGNNQQG QTSKENRKRS LRQFRKTVLH VLESSQESVL KKRRVSEPKE HT <b>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.</b>
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:

HORMAD1

---

### Alternative Name:

Hormad1 ([HORMAD1 Products](#))

---

### Background:

HORMA domain-containing protein 1 (Newborn ovary HORMA protein),FUNCTION: Plays a key role in meiotic progression (PubMed:19686734, PubMed:21079677, PubMed:21478856). Regulates 3 different functions during meiosis: ensures that sufficient numbers of processed DNA double-strand breaks (DSBs) are available for successful homology search by increasing the steady-state numbers of single-stranded DSB ends (PubMed:19686734, PubMed:21079677). Promotes synaptonemal-complex formation independently of its role in homology search (PubMed:19686734, PubMed:21079677). Plays a key role in the male mid-pachytene checkpoint and the female meiotic prophase checkpoint: required for efficient build-up of ATR activity on unsynapsed chromosome regions, a process believed to form the basis of meiotic silencing of unsynapsed chromatin (MSUC) and meiotic prophase quality control in both sexes (PubMed:21478856). {ECO:0000269|PubMed:19686734, ECO:0000269|PubMed:21079677, ECO:0000269|PubMed:21478856}.

---

### Molecular Weight:

44.9 kDa

---

## Target Details

---

UniProt: [Q9D5T7](#)

---

Pathways: [M Phase](#)

---

## 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

---