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Datasheet for ABIN7557523

HORMAD2 Protein (AA 1-306) (His tag)

Overview

Quantity:	1 mg
Target:	HORMAD2
Protein Characteristics:	AA 1-306
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HORMAD2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinant Hormad2 Protein expressed in mammalian cells.
Sequence:	MATAQLSHNT RTLKASKNTI FPSQVTNEHE SLVVVKKLFA TCISCITYLR GLFPESSYRD RRLDDLSLKI LREDKKCPGS LHIKWIQGC FDALEKRYLH MAVLTLYTNP KEPEKVTEIY QFRFKYTKKG TTMDFDSSST SFESGTDSED IKKACSLIR QLYILMQNLG PLPNDVILTM KLHYNSVTP HDYQPPGFKE AVNSHLLFE GEPVSLRMGS VSSGFHSMKV KVTTEATRML DGNSVVSQDD GTTEIAHQGL DCDEEEEACG SQVQRMNFVH IEPSESSRK KKKVSEPVTV FIPNRK 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.
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, Western Blot
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Grade:	custom-made
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Target Details

Target:	HORMAD2
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Alternative Name:	Hormad2 (HORMAD2 Products)
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Background:	<p>HORMA domain-containing protein 2,FUNCTION: Essential for synapsis surveillance during meiotic prophase via the recruitment of ATR activity. 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. Required for the DNA double-strand break-independent, BRCA1-dependent activation of ATR on the sex chromosomes that is essential for normal sex body formation.</p> <p>{ECO:0000269 PubMed:22549958, ECO:0000269 PubMed:23039116}.</p>
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Molecular Weight:	34.8 kDa
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UniProt:	Q5SQP1
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a
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Application Details

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