

Recombinant Mouse Hormad2 Protein, Myc/DDK-tagged

Cat. No. Hormad2-3432M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length HORMA domain containing 2 (Hormad2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	34.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Hormad2 HORMA domain containing 2 [Mus musculus (house mouse)]
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Official Symbol	Hormad2
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Synonyms	HORMAD2; HORMA domain containing 2; HORMA domain-containing protein 2; 4930529M09Rik; RP23-329P17.4
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Gene ID	75828
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mRNA Refseq	NM_029458
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Protein Refseq	NP_083734
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UniProt ID	Q5SQP1
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