Recombinant Human HORMAD2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HORMAD2-651H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HORMAD2 MS Standard C13 and N15-labeled recombinant protein (NP_689723) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
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	35.3 kDa
AA Sequence	MATAQLSHCITIHKASKETVFPSQITNEHESLKMVKKLFATSISCITYLRGLFPESSYG ERHLDDLSLKILREDKKCPGSLHIIRWIQGCFDALEKRYLRMAVLTLYTDPMGSEKVT EMYQFKFKYTKEGATMDFDSHSSSTSFESGTNNEDIKKASVLLIRKLYILMQDLEPLP NNVVLTMKLHYYNAVTPHDYQPLGFKEGVNSHFLLFDKEPINVQVGFVSTGFHSMK VKVMTEATKVIDLENNLFRENSTTEIAHQGLDCDEEEECNDHIQRMNFVCSQQSSEC

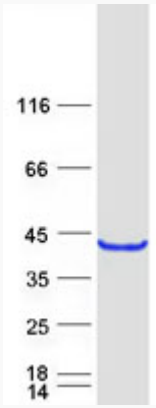
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	SRKKRKVSEPVKVFIPNRKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	HORMAD2 HORMA domain containing 2 [Homo sapiens (human)]
Official Symbol	HORMAD2
Synonyms	HORMAD2; HORMA domain containing 2; HORMA domain-containing protein 2; MGC26710;
Gene ID	150280
mRNA Refseq	NM_152510
Protein Refseq	NP_689723
MIM	618842
UniProt ID	Q8N7B1

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA