HORMA Domain-Containing Protein 1 (HORMAD1) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	HORMA domain-containing protein 1 (Hormad1), Recombinant Protein
Full Product Name	Recombinant Rat HORMA domain-containing protein 1 (Hormad1)
Product Gene Name	Hormad1 recombinant protein
Sequence	MATMQLRRTA SMSALVFPNK ISTEQQSLMF VKRLLAVSVS CITYLRGIFP ERAYGTRYLD DLCVKILKED KNCPGSSQLV KWMLGCYDAL QKKYLRMIIL AVYTNPEDPQ TISECYQFKF KYTKNGPIMD FISKNQNNKS STTSADTKKA SILLIRKIYV LMQNLGPLPN DVCLTMKLFY YDEVTPPDYQ PPGFKDGDCE GVIFDGDPTY LNVGEVPTPF HTFRLKVTTE KERMENIDSA ILTPKDSKIP FQKILMDKDD VEDENHNNFD IKTKMNEQNE NSGTSEIKEP NLDCKEEEIM QFKKNQSSSI SQCQVEQLIS KTSELDVSES KTRSGKIFQC KMVNGNQQGQ ISKENRKRSL RQSGKTVLHI LESSSQESVL KRRRVSEPNE HT
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	44,885 Da
Sequence Positions	1-392, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for D3ZWE7
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Hormad1 recombinant protein	MBS1257883 is a recombinant protein targeting Hormad1. Also known as Recombinant Rat HORMA domain-containing protein 1 (Hormad1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Hormad1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Hormad1. It may not necessarily be applicable to this product.

NCBI GI #	157822225
NCBI GeneID	365868
NCBI Accession #	NP_001102419.1
UniProt Primary Accession #	D3ZWE7
UniProt Secondary Accession #	D3ZZR2

UniProt Related Accession #	D3ZWE7
GenBank Nucleotide #	NM_001108949.1
NCBI Official Full Name	HORMA domain-containing protein 1
NCBI Official Synonym Full Names	HORMA domain containing 1
NCBI Official Symbol	Hormad1
NCBI Official Synonym Symbols	RGD1564960
UniProt Protein Name	HORMA domain-containing protein 1
Protein Family	HORMA domain-containing protein
UniProt Gene Name	Hormad1
NCBI Protein Information	HORMA domain-containing protein 1
UniProt Comments for Hormad1	Plays a key role in meiotic progression. 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. Promotes synaptonemal-complex formation independently of its role in homology search. 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.
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