

Product datasheet for RN206119

Hormad1 (NM_001108949) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Hormad1 (NM_001108949) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Hormad1
 Synonyms: RGD1564960
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN206119 representing NM_001108949
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACTATGCAGTTGCGGAGGACAGCTTCTATGAGTGCATTGGTATTTCTAATAAGATATCAACCG
 AGCAGCAGTCTTTGATGTTTGTGAAGAGGCTCCTGGCTGTTTCAGTATCCTGCATTACCTATTTGAGAGG
 AATATTTCCAGAACGTGCTTATGGGACAAGATATCTGGATGATCTCTGTGTCAAATTTCTGAAAGAAGAT
 AAAAATTTGCCAGTTCTTACAGCTAGTTAAGTGGATGCTAGGATGCTATGATGCTCTACAGAAGAAAT
 ATCTAAGGATGATCATTCTAGCCGTATATACCAATCCAGAAGATCCTCAGACAATTTTCAGAAATGTTACCA
 GTTTAAATTAAGTACACCAAAAATGGACCAATCATGGACTTTATAAGCAAAAATCAAAAACAATAAATCT
 AGTACAACATCTGCTGACACCAAGAAAGCAAGTATTCTCCTCATTGCGAAGATTTATGTCCTAATGCAAA
 ATCTAGGGCCATTACCTAATGATGTTTGTCTGACCATGAACTTTTTACTACGATGAAGTTACACCCCC
 AGATTACCAGCCACCAGGTTTTAAGGATGGTATTGTGAAGGAGTAATATTTGATGGGGACCCTACATAC
 TTAATGTGGGAGAAGTCCCAACACCTTTTACACCTTCAGATTAAGTGAAGTGAAGGAGGAAATGAA
 TGGAAAAATTTGATTAGCCATACTAACACCAAAAAGATTCAAAAATACCATTTCAAAAATTTCTAATGGA
 CAAAGATGATGTAGAAGATGAAAAATCATAATAATTTGATATTAAGTGAAGTGAAGGAAATGAAATGAA
 AACTCTGGAACCTCTGAAATCAAAGAACCAAAATTTAGATTGTAAGGAAAGAAATTTATGCAATTCAAAA
 AGAACCAAGTTCTTCAATTTCTCAGTGTGAGGTTGAACAGTAAATCAGTAAAACATCTGAACTTGATGT
 GTCTGAAAGCAAAAACAAGAAGTGGAAAAATCTTTCAGTGTAAAATGGTAAATGAAATCAACAAGGACAA
 ATTTCTAAAGAAAATCGGAAGAGAAGTCTTCGTCATCTGGGAAAACAGTCTTTCATATCTTGAATCTT
 CTAGTCAAGAGTCGGTGTGAAGAGAAGGAGATTAGTGAACCAATGAACATACCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001108949
Insert Size:	1179 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001108949.1</u> , <u>NP_001102419.1</u>
RefSeq Size:	1640 bp
RefSeq ORF:	1179 bp
Locus ID:	365868
UniProt ID:	<u>D3ZWE7</u>
Cytogenetics:	2q34
Gene Summary:	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.[UniProtKB/Swiss-Prot Function]