

## Product datasheet for RC233947

### HORMAD1 (NM\_001199829) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HORMAD1 (NM_001199829) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HORMAD1
Synonyms:	CT46; NOHMA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233947 representing NM_001199829 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCACTGCCAGTTGCAGAGGACTCCCATGAGTGCCTGGTATTTCCAATAAGATATCAACTGAAC  
ACCAGTCTTTGGTGTAGTGAAGAGGCTTCTAGCAGTTTCAGTATCCTGTATCACGTATTTGAGGGGAAT  
ATCCCAGAATGCGCTTATGGAACAAGATCTAGATGATCTTTGTGTCAAAATACTGAGAGAAGATAAA  
AATTGCCAGGATCTACACAGTTAGTGAATGGATGCTAGGATGTTATGATGCTTACAGAAAAATATG  
TATACACAAACCCAGAAGATCCTCAGACAATTTAGAATGTTACCAATTCAAATCAAATACACCAATAA  
TGGACCACTCATGGACTTCATAAGTAAAAACCAAGCAACGAATCTAGCATGTTGTCTACTGACACCAAG  
AAAGCAAGCATTCTCCTCATTGCAAGATTTATATCCTAATGCAAAATCTGGGGCCTTTACCTAATGATG  
TTTGGTTGACCATGAACTTTTTACTATGATGAAGTTACACCCCGAGTACCAGCCTCCCGGTTTTAA  
GGATGGTGATTGTGAAGGAGTTATTTGAAGGGGAACCTATGTATTTAAATGTGGGAGAAGTCTCAACA  
CCTTTTCACATCTTCAAAGTAAAAGTGACCACTGAGAGAGAACGAATGAAAAATATTGACTCACTATAC  
TATCACCAAAACAAATAAAAACACCATTTCAAAAAATCCTGAGGGACAAAGATGTAGAAGATGAACAGGA  
GCATTATACAAGTGATGATTTGGACATTGAACTAAAAATGGAAGAACAGGAAAAAACCCATGATCTTCT  
GAACCTGGAACAAGTTTAGTTTGTGAGGAAGATGAAATATGAGGTCTAAAGAAAGTCCAGATCTTT  
CTATTTCTCATTCTCAGGTTGAGCAGTTAGTCAATAAAACATCTGAACTTGATATGTCTGAAAGCAAAAC  
AAGAAGTGGAAAAGTCTTTCAGAATAAAATGGCAATGGAATCAACCAGTAAAACTTCCAAAGAAAAAT  
CGGAAGAGAAGTCAACATGAATCTGGGAGAATAGTCTCCATCACTTTGATTCTTCTAGTCAAGAGTCAG  
TGCCAAAAAGGAGAAAGTTAGTGAACCAAGGAACATATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTTAA



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**Protein Sequence:** >RC233947 representing NM\_001199829  
Red=Cloning site Green=Tags(s)

MATAQLQRTPMSALVFPNKISTEHQSLVLVKRL LAVSVSCITYLRGIFPECAYGTRYLDDLVCVKILREDK  
 NCPGSTQLVKWMLGCDALQKKYVYTNPEDPQTI SECYQFKFKYTNNGPLMDFISKNSNESSMLSTDTK  
 KASILLIRKIYILMQNLGPLNDVCLTMKLFYDEVTTPDYQPPGFKDGDCEGVIFEGEPMYLNVGEVST  
 PFHIFKVKVTTTEREMENIDSTILSPKQIKTPFQKILRDKDVEDEQEHYTSDDLDIETKMEEQEKNPASS  
 ELEEPSLVCEEDEIMRSKESPDLSISHSQVEQLVNKTSLEMDMSESKTRSGKVFQNMANGNQPVKSSKEN  
 RKRSQHESGRIVLHHFDSSSQESVPKRRKFSEPKHEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001199829

**ORF Size:** 1161 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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:** [NM\\_001199829.2](#)

**RefSeq Size:** 1877 bp

**RefSeq ORF:** 1164 bp

**Locus ID:** 84072

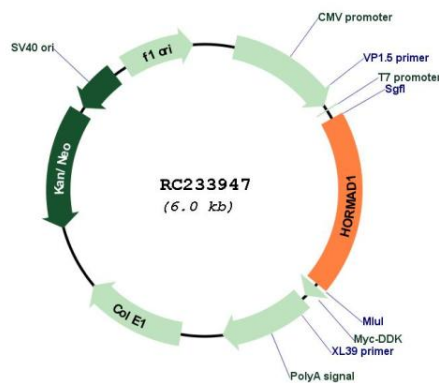
**UniProt ID:** [Q86X24](#)

**Cytogenetics:** 1q21.3

**MW:** 44.9 kDa

**Gene Summary:** This gene encodes a HORMA domain-containing protein. HORMA domains are involved in chromatin binding and play a role in cell cycle regulation. The encoded protein may play a role in meiosis, and expression of this gene is a potential marker for cancer. A pseudogene of this gene is located on the long arm of chromosome 6. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2010]

### Product images:



Circular map for RC233947