

Product datasheet for **RG233947**

HORMAD1 (NM_001199829) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HORMAD1 (NM_001199829) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: HORMAD1
Synonyms: CT46; NOHMA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233947 representing NM_001199829
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACTGCCAGTTGCAGAGGACTCCCATGAGTGCCTGGTATTTCCAATAAGATATCAACTGAAC
ACCAGTCTTTGGTGTAGTGAAGAGGCTTCTAGCAGTTTCAGTATCCTGTATCACGTATTTGAGGGGAAT
ATCCCAGAATGCGCTTATGGAACAAGATCTAGATGATCTTTGTGTCAAATACTGAGAGAAGATAAA
AATTGCCAGGATCTACACAGTTAGTGAATGGATGCTAGGATGTTATGATGCTTACAGAAAAATATG
TATACACAAACCAGAAGATCCTCAGACAATTTAGAATGTTACCAATCAAATCAAATACACCAATAA
TGGACCACTCATGGACTTCATAAGTAAAAACCAAGCAACGAATCTAGCATGTTGTCTACTGACACCAAG
AAAGCAAGCATTCTCCTCATTGCAAGATTTATATCCTAATGCAAAATCTGGGGCCTTACCTAATGATG
TTGTTTGACCATGAACTTTTTACTATGATGAAGTTACACCCCGAGTACCAGCCTCCCGGTTTTAA
GGATGGTGATTGTGAAGGAGTTATTTGAAGGGGAACCTATGTATTTAAATGTGGGAGAAGTCTCAACA
CCTTTTCACATCTTCAAAGTAAAAGTGACCACTGAGAGAGAACGAATGAAAAATATTGACTCACTATAC
TATCACAAAAACAAATAAAAACACCATTTCAAAAAATCCTGAGGGACAAAGATGTAGAAGATGAACAGGA
GCATTATACAAGTGATGATTTGGACATTGAACTAAAAATGGAAGAACAGGAAAAAACCCCTGCATCTTCT
GAACCTGGAACAAGTTTAGTTTGTGAGGAAGATGAAATATGAGGTCTAAAGAAAGTCCAGATCTTT
CTATTTCTCATTCTCAGGTTGAGCAGTTAGTCAATAAAACATCTGAACTTGATATGTCTGAAAGCAAAAC
AAGAAGTGGAAAAGTCTTTCAGAATAAAATGGCAATGGAATCAACCAGTAAAACTTCCAAAAGAAAAT
CGGAAGAGAAGTCAACATGAATCTGGGAGAATAGTCTCCATCACTTTGATTCTTCTAGTCAAGAGTCAG
TGCCAAAAAGGAGAAAGTTAGTGAACCAAGGAACATATA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233947 representing NM_001199829
 Red=Cloning site Green=Tags(s)

MATAQLQRTPMASLVFPNKISTEHQSLVLVKRLLAVSVSCITYLRGIFPECAYGTRYLDDLCVKILREDK
 NCPGSTQLVKWMLGCYDALQKKYVYTNPEDPQTISECYQFKFKYTNNGPLMDFISKQNSNESSMLSTDTK
 KASILLIRKIYILMQNLGPLNDVCLTMKLFYDEVTTPDYQPPGFKDGDCEGVIFEGEPMYLNVGEVST
 PFHIFKVKVTTTEREREMENIDSTILSPKQIKTPFQKILRDKDVEDEQEHYTSDDLDIETKMEEQEKNPASS
 ELEEPSLVCEEDEIMRSKESPDLSISHSQVEQLVNKTSELDMSSEKTRSGKVFQNMANGNQPVKSSKEN
 RKRSQHESGRIVLHHFDSSSQESVPKRRKFSEPKHEI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

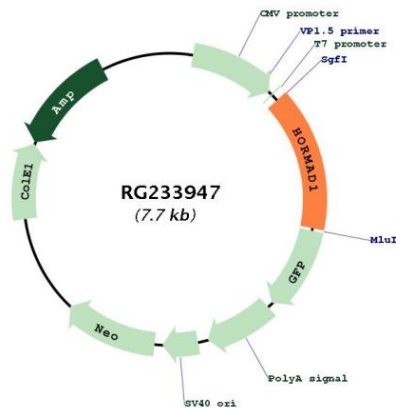
Locus ID: 84072

UniProt ID: [Q86X24](#)

Cytogenetics: 1q21.3

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 RG233947