

Product datasheet for **RR202111**

H2afy (NM_017182) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: H2afy (NM_017182) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: H2afy
Synonyms: MGC105515
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202111 representing NM_017182
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCGAGCCGTGGTGGGAAGAAGAAATCCACCAAGACCTCCCGGTGAGCAAGGCCGGGTCATCTTCC
CCGTGGGACGGATGCTGCGGTACATCAAGAAAGGCCACCCTAAGTATCGGATCGGAGTGGGGCGCCTGT
GTACATGGCTGCCGTACTGGAATACCTGACCGCTGAGATCCTGGAGCTGGCCGGCAATGCAGCGAGAGAC
AACAAAGAAGGGCGGGTCACACCGCGGCACATCCTGTTAGCAGTGGCCAATGATGAGGAGCTAAACCAGC
TGCTAAAAGGAGTCACCATAGCCAGTGGGGCGTGTGCGGAACATCCATCCTGAGTTGCTAGCGAAGAA
ACGAGGATCCAAGGAAAATTGGAAGCCATCATCACGCCCTCCACCAGCAAAAAGGCCAAGTCTCCATCC
CAGAAGAAGCCAGTGGCTAAGAAAACAGGAGGCAAGAAAGGGGCCGGAAGTCTAAGAAGCAGGGAGAAG
TCAGCAAGGCAGCCAGCGCAGACAGTACAACGGAGGGCGGCCTACAGACGGCTTTACTGTCTCTCTAC
CAAGAGCCTCTTCTCGCCAGAAGCTGAACCTTATTCACAGTGAATCAGTAATTTAGCCGGCTTTGAG
GTGGAGGCCATAATCAATCCTACCAATGCTGACATTGACCTTAAAGATGACCTAGGAAGCACACTGGAGA
AGAAAGGTGGCAAGGAGTTTGTAGAAGCTGTTCTGGAACCTCGGAAAAAGAAATGGGCCCTTGGAAAGTAC
TGGAGCTGCTGTTAGTGCAGGCCACGGCCTGCCTGCCAAGTTTGTGATCCACTGTAAACAGTCTGTCTGG
GGCGCAGACAAATGTGAAGAACTTCTAGAAAAGACGGTGAAAAACCTGCCTGGCTCTAGCTGATGACAGAA
AGCTGAAGTCCATCGCCTTCCCCTATTGGCAGTGGCAGGAACGGGTTCCCGAAGCAGACAGCCGCCCA
ACTCATTCTGAAGGCCATCTCCAGCTACTTTGTGTCCACTATGTCGTCCTCCATCAAACTGTGTACTTT
GTGCTTTTTGACAGTGAGAGCATAGGCATCTACGTGCAGGAAATGGCCAAACTGGATGCCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202111 representing NM_017182
Red=Cloning site Green=Tags(s)

MSSRGGKKKSTKTSRSKAGVIFPVGRMLRYIKKGHPKYRIGVGAPVYMAAVLEYLTAEILELAGNAARD
 NKKGRVTPRHILLAVANDEELNQLLKGVTIASGGVLPNIHPELLAKKRGSKGKLEAIITPPPAKKAKSPS
 QKKPVAKKTGGKKGARKSKKQGEVSKAASADSTTEGAPTDGFTVLSTKSLFLGQKLNLIHSEISNLAGFE
 VEAIINPTNADIDLKDDLGSTLEKKGGKEFVEAVLELRKKNPLEVAGA AVSAGHGLPAKFVIHCNSPVW
 GADKCEELLEKTVKNCLALADDRKLKSIAPPSIGSRNGFPKQTA AQLILKAISSYFVSTMSSSIKTVYF
 VLFDSSEIGIYVQEMAKLDAN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

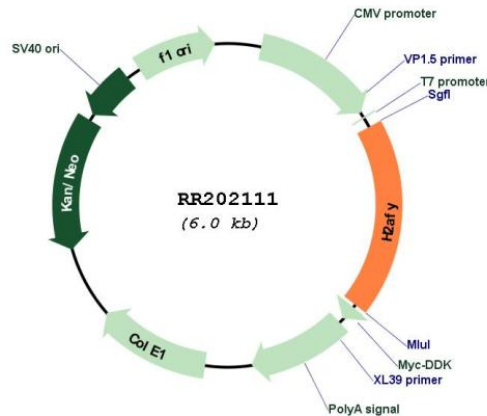
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_017182

ORF Size:	1113 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:	<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:	NM_017182.2 , NP_058878.1
RefSeq Size:	1858 bp
RefSeq ORF:	1116 bp
Locus ID:	29384
UniProt ID:	Q02874
Cytogenetics:	17p14
MW:	39.5 kDa
Gene Summary:	a core histone [RGD, Feb 2006]