

Product datasheet for **MR228001**

H2aI3 (NM_029229) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: H2aI3 (NM_029229) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: H2aI3
Synonyms: 4930557A04Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228001 representing NM_029229
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGACAAAAGACAGAAGGATAGCGTTGCTCCCTCTTCAGGGGCAAAGCTGCAGTTCCTGTTAGCG
 AAGCAGAACACCTTCTTCAAGAAAGAAACCTGTCCAAATGCCTGAACTCTTCTACGCCTGTTTTGTTTAC
 GGATATGCTCAATTATGTGACATCCAGCATTCTTGAGCTGACTGTCAAGGACAGAGACGCCACACCAGC
 TGCAACAACTCATTGCCCCAGAGCAGAAGTCCAAGCCAACTGATAACATCGATGAACTCTGCCAGCTCT
 TCAAGGATAGCCAGTATATGGCTGATGAGACTCCAGGATGCTACAAGACACCAAGATCCAATAAGATAAC
 AGGACTCTATGAGGCACCAAGACCCGGTCCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228001 representing NM_029229
 Red=Cloning site Green=Tags(s)

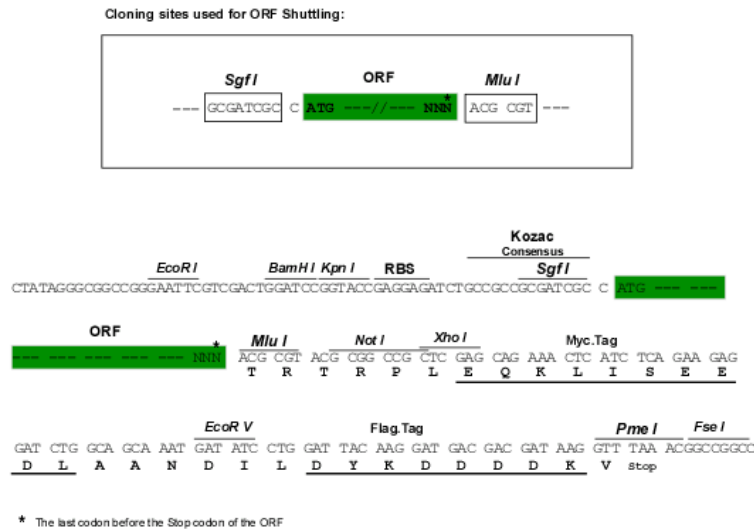
MEDKRQKDSVAPSSGAKLQFPVSEAEHLLQERNLSKCLNSSTPVLFTDMLNYVTSSILELTVKDRDSHTS
 CNKLIAPSEQSKPTDNIDELCQLFKDSQYMADETPGCYKTPRSNKITGLYEAPRPGPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_029229

ORF Size: 384 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.

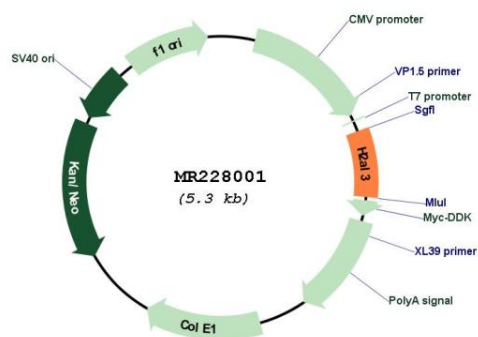
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_029229.1](#), [NP_083505.1](#)

RefSeq Size: 550 bp

RefSeq ORF: 387 bp
 Locus ID: 385317
 Cytogenetics: X A1.1
 MW: 14.8 kDa

Product images:



Circular map for MR228001