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Product datasheet for SC125611

H1oo (H1FOO) (BC047943) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H1oo (H1FOO) (BC047943) Human Untagged Clone
Tag:	Tag Free
Symbol:	H1oo
Synonyms:	H1 histone family, member O, oocyte-specific; MGC50807; oocyte-specific histone H1; osH1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC047943 edited GCGTCACAGCAGGACCAGGCGGCTAAGCAGGGAGAAGAGCCAGAGGGGCGTCAGGTGTCT GATGCGGTGTGCTGGCAGTTGAGGGGTGAAGTTAGTTCCCAAGCACAAGAAGAAAATCCA GCCCAGGAAGATGGCCCCCGCGACGGCTCCCAGGAGAGCGGGTGAGGCCAAGGGGAAGGG CCCCAAGAAACCAAGTGAGGCCAAGGAGGACCCTCCCAACGTGGGCAAGGTGAAAAAGGC AGCCAAGAGGCCAGCAAAGGTGCAGAAGCCTCCTCCCAAGCCAGGCGCAGCCACAGAGAA GGCTCGCAAGCAAGGCGGCGCGGCCAAGGACACCAGGGCACAGTCGGGAGAGGCTAGGAA GGTGCCCCCCAAGCCAGACAAGGCCATGCGGGCACCTTCCAGTGCTGGTGGGCTCAGCAG GAAGGCAAAGGCCAAAGGCAGCAGGAGCAGCCAAGGAGATGCTGAGGCCTACAGGAAAAC CAAAGCTGAGAGTAAGAGTTCAAAACCCACGGCCAGCAAGGTCAAGAATGGTGCTGCTTC CCCGACCAAAAAGAAGGTGGTGGCCAAGGCCAAGGCCCCTAAAGCTGGGCAGGGGCCAAA CACCAAGGCTGCTGCTCCTGCTAAGGGCAGTGGGTCCAAGGTGGTACCTGCACATTTGTC CAGGAAGACAGAGGCCCCCAAGGGCCCTAGAAAGGCTGGGCTGCCCATCAAGGCCTCATC ATCCAAAGTGTCCAGCCAGAGGGCTGAAGCTTAGGGCCAGAGGCAGGGGCGGAGAGAGAC CGAGCCTCTGCCCTAGTTTTTATTCTTCAACTAACCACTGCTCTATTTATTTCATTGTAA GCTATTTATCAATAAAGACTTTTGTTTCTTTTTCCTCACAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for BC047943 unedited
NGGGTCAGAATTTGTATACGACTCATATAGGCGGACCGCGATTCCCGGGNAGCGTCACAG
CAGGACCAGGCGGCTAAGCAGGGAGAAGAGCCAGAGGGGCGTCAGGTGTCTGATGCGGTG
TGCTGGCAGTTGAGGGGTGAAGTTAGTTCCCAAGCACAAGAAGAAAATCCAGCCCAGGAA
GATGGCCCCCGCGACGGCTCCCAGGAGAGCGGGTGAGGCCAAGGGGAAGGGCCCCAAGAA
ACCAAGTGAGGCCAAGGAGGACCCTCCCAACGTGGGCAAGGTGAAAAAGGCAGCCAAGAG
GCCAGCAAAGGTGCAGAAGCCTCCTCCCAAGCCAGGCGCAGCCACAGAGAAGGCTCGCAA
GCAAGGCGGCGCGGCCAAGGACACCAGGGCACAGTCGGGAGAGTTAGGGAGAAGGTGCCC
CCCAAGCCAGACAAGGCCATGCGGGCACCTTCCAGTGCTGGTGGGCTCAGCAGGAAGGCA
AAGGCCAAAGGCAGCAGGAGCAGCCAAGGAGATGCTGAGGCCTACAGGAAAACCAAAGCT
GAGAGTAAGAGTTCAAAACCCACGGCCAGCAAGGTCAAGAATGGTGCTGCTTCCCCGACC
AAAAAGAAGGTGGTGGCCAAGGCCAAGGCCCCTAAAGCTGGGCAGGGGCCAAACACCAAG
GCTGCTGCTCCTGCTAAGGGCAGTGGGTCCAAGGTGGTACCTGCACATTTGTCCAGGAAG
ACAGAGGCCCCCAAGGGCCCTAGAAAGGCTGGGCTGCCCATCAAGGCCTCATCATCCAAA
GTGTCCAGCCAGAAGGCTGAAGCTAAGGGCCGNAGCANGGGCGGAGAGAGACCCGAGCTC
TGCCCTAGTTTTTATTCTTCACTAACACTGCTCTATTTATTTCATTGTNNAGCTATTATC
ANTAAGGACTTTGGGTTTCTTTTTCCTCACAAAAA
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Restriction Sites: NotI-NotI

ACCN: BC047943

Insert Size: 1000 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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: BC047943.1, AAH47943.1

RefSeq Size: 997 bp

Locus ID: 132243

Cytogenetics: 3q22.1

Gene Summary: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. The protein encoded is a replication-independent histone that is a member of the histone H1 family. This gene contains introns, unlike most histone genes. The related mouse gene is expressed only in oocytes. [provided by RefSeq, Oct 2015]