

## Product datasheet for **RN200882**

### Hist1h1a (NM\_001106113) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hist1h1a (NM\_001106113) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hist1h1a  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN200882 representing NM\_001106113  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGAGACAGCGCCAGTCCCTCAGCCTGCGTCTGTTGCCCTGAGAACTGCCGCTACAAAGAAAA  
CCAGGAAGCCTGCGAAAGCTGCTGTCCCTCGAAAGAAGCCCGCGGACCTTCAGTGTCTGAGCTCATCGT  
GCAGGCAGTCTCATCCTCCAAGGAGCGCAGCGCGTGTCTTGGCTGCGCTCAAGAAGTCGCTGGCGGCG  
GCGGGCTACGATGTGGAGAAGAACAACAGCCGCATCAAACCTGGGCTGAAGAGCCTGGTGAATAAGGGCA  
CCCTGGTGCAGACTAAGGGTACCGCGCTGCTGGCTCCTTTAAGCTGAACAAGAAGCGGAGTCCAAGC  
CAGCACCAAGGTGACAGTGAAGGCGAAAGCATCCGGGCGAGCTAAGAAACCCAAGAAGACTGCTGGG  
GCTGCAGCAAAGAAGACTGTCAAGACACCGAAGAAGCCCAAGAAGCCTGCAGTTTCAAAGAAGACTTCTT  
CTAAGAGCCCAAAGAAGCCGAAGGTGGTCAAGGCCAAGAAGGTAGCCAAGAGCCCTGCCAAGGCAAAGGC  
AGTGAAGCCTAAGGCTGCCAAGGTGAAGGTGACAAAGCCAAAGACTCCAGCTAAGCCGAAGAAGCGGCG  
CCCAAGAAAA**GTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001106113  
**Insert Size:** 645 bp



<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001106113.1</a></u> , <u><a href="#">NP_001099583.1</a></u>
<b>RefSeq Size:</b>	744 bp
<b>RefSeq ORF:</b>	645 bp
<b>Locus ID:</b>	291145
<b>UniProt ID:</b>	<u><a href="#">D4A3K5</a></u>
<b>Cytogenetics:</b>	17p11
<b>Gene Summary:</b>	H1 histones bind to linker DNA between nucleosomes forming the macromolecular structure known as the chromatin fiber. H1 histones are necessary for the condensation of nucleosome chains into higher-order structured fibers. Acts also as a regulator of individual gene transcription through chromatin remodeling (By similarity).[UniProtKB/Swiss-Prot Function]