

Product datasheet for MC202262

Hat1 (NM_026115) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hat1 (NM_026115) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hat1
Synonyms: 2410071B14Rik; AA536933; Hat-1; KAT1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC055460 sequence for NM_026115
 CGGAAATGGCGCCTTGGAGAAATTTCTGGTGGAGTATAAGAGTGCCTGGGAGAAGAACTAGCAGAGTA
 CAAGTGTAAACACCAACACAGCAATCGAGCTGAACTAGTTTCGTTTTCTGAAGATCTTGAGAATGACATT
 AGAACTTTCTTTCTGAATATACCCATCAGCTCTTTGGGGATGATGAAACTGCTTTTCGGTTACAAGGGCC
 TGAAGATCTTGCTGTACTATATTGCTGGTAGCCTGTCAACACTGTTCCGTGTTGAATATTCATCTAAAGT
 TGATGAGAACTTTGACTGTGTGGAGGCAGATGATGTTGAAAGCAAAATCAGACAAATCATTCCACCTGGG
 TTTTGCACAAACACAAATGATTTTCTTTCTGCTGGAAAAGGAACTAATTTCAAGCCTTTTGGAAACC
 TCCTCCATACATACAGTTCCTAGTCAGACAGGAGGTGAAACCTTTACTTTCCAGATCCACAAGGCTGA
 CATGACATGTAGAGGCTTCGAGAATATCATGAAAGGCTTCAGACCTTTTGTGTTGTTTATTGAAACT
 GCTAGCTTTATTGACGTGGATGATGAAAGATGGCACTACTTTCTAGTATTTGAGAAGTATAATAAGGATG
 GAGCTACGCTTTTTCGACCGTAGGCTACATGACAGTCTATAATTACTATGTGTACCCAGACAAAACCCG
 GCCACGTGTAAGTCAGATGCTGATACTGACTCCATTTCAAGGTCAGGGCCACGGTCTCAACTTCTTGAA
 ACAGTTACATAGATACTACATTTCTTTCTACAGTTCTTGATATTACAGCGGAAGATCCGTCCAGAAGCT
 ATTTGAAACTAAGAGACTTTGTGCTTGTGAAGTTTGTCAATTTTGGCCAGTTTCTCCCGGAAAGATT
 ACTGCAAGGATTCAGTGAAGATATGGCAATACAGGCACAGCAAAATGTTCAAAATAAATAAGCAACATGCT
 AGAAGGGTTTATGAAATCTTCGACTGCTGGTACTGACATGAGTGTGCTGAGCAATACAGAAGCTACA
 GACTGGATATTAAGAAGACTAATTAGCCCTTACAAGAAAAGCAGAGGGATCTTGCCAAGATGAAGAA
 ATGCCTGAGACCAGAAGAGCTGACAAATCAGATGAACCAGATAGAATAAGTGTGCAGCATGAGCAGCTG
 GAAGACGATTTTCAGGAGCTGGTGGAGGACTACCGGCGTGTGATTGAGCGACTTGCTCAAGAGTGAAGCC
 CCTGTTCCCGAGGATACCTGCAGATTTCTGTGCATCGTGTGTGAACCTCTGATGACCCTAAAGTTATCT
 ATGTTCTCCTTAGTGAATATTTCTTTTGGAGATTGTATTTTTAAAATACTGTCTAGAGTTTATGAA
 CATATATTGCATTAATAAAGATGGCTTGTGAAATAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_026115
Insert Size: 1251 bp



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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).
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:	BC055460 , AAH55460
RefSeq Size:	1450 bp
RefSeq ORF:	1251 bp
Locus ID:	107435
UniProt ID:	Q8BY71
Cytogenetics:	2 C2
Gene Summary:	Acetylates soluble but not nucleosomal histone H4 at 'Lys-5' (H4K5ac) and 'Lys-12' (H4K12ac) and, to a lesser extent, acetylates histone H2A at 'Lys-5' (H2AK5ac). Has intrinsic substrate specificity that modifies lysine in recognition sequence GXGKXG. May be involved in nucleosome assembly during DNA replication and repair as part of the histone H3.1 and H3.3 complexes.[UniProtKB/Swiss-Prot Function]