

## Product datasheet for **MC219365**

### **Mnt (NM\_010813) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mnt (NM_010813) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mnt
Synonyms:	bHLHd3; Rox
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC219365 representing NM\_010813  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGCATAGAGACGCTACTGGAGCGGCCGCTTCTGGAATGGCAAGCGCAGCAACAACAGAGAGCAC  
 GTGAGGAGCAGGAGCGCCTTCGCTGGAGCGGGAACGTGAGAGAGAGCAGGAGCAGAAGAGGGCAAGTAA  
 CTTGGCCAGGTTGGCCATGCCCTGCCTGTGGAGGAACCCGAATCGAGGCTCCACCCTGCTTTGTCT  
 CCACCGGCACCACCACCCGCACCACCACCACCTTGCCACCCTGCTCCACTGACTGTCAATTCCTATTC  
 CTGTAGTGACCAATTCGCCGAGTCTCTACCCCACTCCACCTTACCCCGCAGCCAGCCTCTTCC  
 CCTGGCACCTCGTCAGCCAGCCCTGGTCAGCACCCCTGGACTCAGCATTAAAGGAGCCAGTACCCTGCC  
 ACCAGACCACAGGTGCCACCCCTGCTCCCTCCTGCCTGATGCGAAGACCACAGTTGCGCCACTGGCA  
 GCCCAAGCCTTTCAGCCCTCCCTGCGCCATCCTGACCATTGCACCACCCCTGGAGTCCAGCCGCA  
 GCTGGCTCCCCAGCAACCACCCCGCCACGCTTGGGACCTGAAGTTGGCACCGCTGAAGAAGCCAAA  
 TCCAGTGAACAGAAGAAAAGGCCTGGAGGGATCGGAACCAGAGAAGTCCACAACAAATTGGAGAAGAACA  
 GGAGGGCCCATCTGAAGGAATGTTTTGAGACCTGAAGCGCAACATCCCCAACGTGGACGACAAGAGAC  
 TTCGAATCTGAGCGTGTGCGGACGGCGTGGGTACATCCAGTCCCTGAAGAGGAAGGAGAAAAGATAT  
 GAGCATGAGATGGAGCGCCTTGCAGCGGAGAAGATCGCCACCCAGCAGCGGCTGGCAGAGCTCAAGCATG  
 AGCTGAGTCAGTGGATGGACGTGCTGGAGATAGATCGTGTGCTCCGGCAGACAGGCCAGCCTGAGGACGA  
 CCAGGCGTCCACCTCCACAGCCTCCGAGGGCGAGGACAACGTTGACGAGGAGATGGAGGGAGACCGGGCA  
 GGCCTGGGCCACCTAAGCTGAACCATCGTCCCAGCCGAGCTGCTGAAATCCGCCCTGCCAACCCCA  
 GCACCGCCCTGGCCTCTGCCTACCCATCCGCACCCCTACCCCAACCCAGTGGCCCTGTCTCTGCCCA  
 CCTTCCTGTGCAGCAGCAGCAGCCACCACAGCAAAAGACCCTCTGCCAGCCCTCCTCCCCACCTGCC  
 ACCCAACCCAGACGCTAGTGCCAGCTCCGGCCATCTGGTGGCCACGGCTGGGGCGGCTCCACGGTCA  
 TTGCCACACAGCCACGACCCATGCCTCAGTCATCCAGACTGTGAACCATGTTCTGCAGGGGCGGGGGG  
 CAAGCATATCGCCACATCGCCCTCCGCCCCAGCCCTGCTGTGCAGCTGGCACCCGCCACACCCCC  
 ATCGGCCACATCACAGTGCACCCCTGCCACCCTCAACCATGTGGCCACCTTGGCTCCCAGTTGCCCTTGT  
 ACCCACAGCCTGTGGCCGTGAGCCAGCCAGTGGCCGTGAGCCACATCGCCACACCCTGTCGCACCAGCA  
 AGTAAATGGCACAGCCGGCTGGGGCCCCAGCCACTGTATGGCAAAGCCAGCTGTGGGGCCAGGTG  
 GTGCACCACCCAGCTGGTGGCCAAACAGTGTCAACCCTGTGACTATGGTCACCATGCCCTCCTTTC  
 CGTCCAGCACACTCAAGCTGGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_010813
- Insert Size:** 1776 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).
- 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:** [NM\\_010813.3](#), [NP\\_034943.3](#)

**RefSeq Size:** 4601 bp

**RefSeq ORF:** 1776 bp

**Locus ID:** 17428

**UniProt ID:** [O08789](#)

**Cytogenetics:** 11 45.76 cM

**Gene Summary:** Binds DNA as a heterodimer with MAX and represses transcription. Binds to the canonical E box sequence 5'-CACGTG-3' and, with higher affinity, to 5'-CACGCG-3'. [UniProtKB/Swiss-Prot Function]