

Product datasheet for **MC207322**

Mxd3 (NM_016662) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mxd3 (NM_016662) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mxd3
Synonyms: 4631412E13Rik; bHLHc13; Mad3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207322 representing NM_016662
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAACCCGTGGCTAGCAACATCCAGGTCTGCTGCAGGCAGCGGAGTTCTGGAGAGGCGCGAGAGAG
AGGCAGAGCACGGTTATGCGTCCCTGTGTCCACACCACAGCCCCGGACCGTCTGCAGGAGGAGGAAGCC
ACCCCTGCAAGCTCCTGGCGCGCTGAACAGTGGCGGTCTGTGCACAACGAGCTGGAGAAGCGCAGGAGA
GCCCAGCTGAAGCGGTGCTTAGAGCAACTGAGGCAGCAGATGCCCTGGGAGTTGACTGTACCCGATACA
CTACACTAAGCCTCCTGCGCCGGCCAGGGTGCATATCCAGAAGCTGGAGGAGCAGGAGCAGCAAGCCCCG
GCGGCTCAAGGAAAAGCTTCGACAGAAACAGCAGAGCCTGCAGCAGCAGCTGGAGCAGCTCCAGGGGCTG
CCAGGAGCTAGGGAGCGAGAGCGGCTGAGGGCAGACAGCTTGGACTCTTCAGGCCGTGCCTCTGAGCGCT
CAGACTCAGACCAAGAGGATCTGGAGGTGGATGTGGAGAGCCTGGTGTGGGACTGAAACAGAGCTCCT
ACAGAGCTTCAGCGCTGGGCGGGAGCACAGCTACTCACACAGCACCTGCGCCTGGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_016662
Insert Size: 621 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).



[View online »](#)

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:	<u>NM_016662.4</u> , <u>NP_057871.2</u>
RefSeq Size:	1299 bp
RefSeq ORF:	621 bp
Locus ID:	17121
UniProt ID:	<u>Q80US8</u>
Cytogenetics:	13 29.8 cM
Gene Summary:	Transcriptional repressor. Binds with MAX to form a sequence-specific DNA-binding protein complex which recognizes the core sequence 5'-CAC[GA]TG-3'. Antagonizes MYC transcriptional activity by competing for MAX and suppresses MYC dependent cell transformation.[UniProtKB/Swiss-Prot Function]