

Product datasheet for **MC217432**

Nobox (NM_130869) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nobox (NM_130869) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nobox
Synonyms:	OG2; Og2x
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217432 representing NM_130869
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAACCTACGGAGAAGCTCTGCAAGAAAATGCAGGGCCAGGAAGCTGGTGACAAGCCCAGGACTGCTG
 CACTGGAGACAGAGGGACCACTGCAGGATTCTGCCCTGCCATCCAGGATGATCAAGACAAGCAGTCCTC
 ACTCCCCAGGGCTAGCTTGGGGAAGAGGCCACTGTGCAAGACCTCTGAGGAGTTAATGGATGCTGGCAGG
 TGCAGAGTGCACAAAGCCCCACAGCAGCCGATGTGGTCCCAATCCGAGGAAGAAGGTTGTTCTCCCC
 CAGAGAGAAAGGCAGAATCGCTGAAGCCATCCATTTCTGCAGTCCCTGGCCAAGCCACCGCCGGTCCCT
 CAACTCTCATGAAGGGGACCTGAAGAAAGAATCCCTAGAAGTGACCTGTCAATTTTCGAAAAAGACCCGA
 ACCCTGTACCGCTCAGACCAGCTGGAAGAACTGGAGAGGATATTCAGGAAGACCACTATCCTGACAGTG
 ACAAACGCCATGAGATTTCCAGATGGTGGGGTAACCCCCAAAGAATCATGGTGTGGTTTCAGAACCG
 CAGGGCAAAGTGGAGAAAAGTGGAGAACTGAACGAGAAGGAACTAAGAATGGTCTGCAGCCCCCAGT
 GCTGACAGCAGCCAGCACAGATCTGCTCCTGAGCTCCTAGACCCTATGCCTACAGACCTAGAACCTGGCC
 CTGTTCTCCAGAGAACATCCTGGATGTCTTCTGAGCCCCCATGCTGCTGACTTCTGAACAGACTCT
 GACCCCTTTTCAGAAATAGAGGGTGTGAGAGGGTGGCAGTGACTCCACCACTCCTCAGTCCCCACCT
 ATTCGAAGGGCAACCTTCTCTTCTCTGGGTCTGTTCAAACCTCCTCAAGTACTGCCTCCAATGAGGG
 ACGTTCCTGGCAGTGACAGCATATAAAGGACAAGGCCTATGTGTCTGGGGCACTAGTATCGCCTCACC
 ACCCACCTACTCAAATTTGGAAGACCTGGGGTCTCAGGACTACCAAGCAAGCAGCCAGTTGGGTTTATT
 CAGTCTCCCAGGCTCCACATTTACCCCTTTTCCCATCCCTTTCAGTACAGTTCGATCTGCCCCCT
 TCCCTTACCCCATCCCAAGCTCAATGCCATTTCTACCACAGAAGACTCTGTGTTTTCATTTCTTTGG
 CTCAGTGGAGACTCATCACAGGATTATTGCCAGGACCCCAAGGTCAGATCTTGCTGCAGCCACCT
 GCTGAAAACATGGGTACAGGACCCTGGAGTGGCCATTGCTTGCCAGAACCCTCCCTCCCTCGTCCCACT
 ACCCACAGGCTCTGGGACAACCCCTAGGGGCAGAGGGTACTTTCTAACCTATTGCCAAGTCCATATGC
 TCTGACTATGAGTAAGCAGTCTTATTAGGCCTCAATGGGCTTCTCGAAGGCACTAGAGTAGAGACCGGG
 TCCTCACTAAGCAAAATGTCAGATGAGCAGACTTCTCTCCCTCGAGCAGCCCGCACTAGAGGAGGTCA
 GAGACAAAATAAGAATAGCCATGCCGCTGGAGCTAAAGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_130869
- Insert Size:** 1584 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_130869.3](#), [NP_570939.1](#)

RefSeq Size: 1893 bp

RefSeq ORF: 1584 bp

Locus ID: 18291

UniProt ID: [Q8VIH1](#)

Cytogenetics: 6 21.17 cM

Gene Summary: Transcription factor which plays an essential role in postnatal follicle development. Binds preferentially to the DNA sequences 5'-TAATTG-3', 5'-TAGTTG-3' and 5'-TAATTA-3'. Directly regulates the transcription of POU5F1 and GDF9 during early folliculogenesis. [UniProtKB/Swiss-Prot Function]