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Product datasheet for MC206464

Meox2 (BC002076) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Meox2 (BC002076) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Meox2
Synonyms:	Gax, Mox2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

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Fully Sequenced ORF:

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>BC002076
GGAGACTGGCCGCTAAGGCTCAGGACTGGGATTAGTCGGCTCTGCTCAAATGCAAACGCGCGCGGCTTTT
ACTTTTGGAGTGAGTGGGGGAAAGTCTTAGGATTTCCAGTGAAAAGTGACAGCGCTTGGTGGACATTCGG
ACCGTCCGTGAAGTCTTCTGCTTGGAAGCCGAAACTTGCATGCCATGGAACACCCCCTCTTTGGCTGCCT
GCGCAGCCCCCACGCCACAGCGCAAGGCTTGCACCCCTTCTCCCAGTCTTCTCTGGCCCTCCATGGAAGA
TCTGACCACATGTCCTACCCCGAACTCTCCACATCTTCCTCGTCTTGCATAATCGCGGGATACCCCAACG
AGGAGGGCATGTTTGCCAGCCAGCATCACAGGGGGCACCACCACCACCACCACCATCACCATCACCACCA
CCAGCAGCAGCAGCACCAGGCTCTGCAAAGCAACTGGCACCTCCCGCAGATGTCCTCTCCGCCAAGCGCG
GCCCGGCACAGCCTGTGCCTGCAGCCTGATTCGGGAGGGCCCCCGGAGCTGGGAAGCAGCCCTCCGGTCC
TGTGTTCCAACTCATCTAGCCTGGGCTCCAGCACCCCTACCGGGGCCGCGTGCGCACCAGGGGATTATGG
CCGTCAAGCGCTGTCACCCGCAGACGTAGAGAAGAGAAGTGGCAGCAAAAGGAAAAGCGACAGCTCAGAT
TCCCAGGAAGGAAACTACAAGTCAGAAGTGAACAGCAAACCTAGGAAGGAAAGAACAGCTTTTACCAAAG
AGCAAATCAGAGAACTAGAGGCAGAATTTGCCCATCATAATTATCTGACCAGACTGAGAAGATATGAGAT
AGCAGTGAATCTAGACCTCACTGAAAGACAGGTGAAAGTGTGGTTCCAGAACAGGAGAATGAAGTGGAAG
CGGGTCAAAGGGGGACAGCAAGGAGCTGCTGCCCGAGAAAAGGAACTGGTGAATGTGAAAAAGGGAACGC
TTCTTCCGTCAGAGCTGTCAGGAATCGGTGCAGCCACCCTCCAGCAGACAGGGGACTCACTAGCAAACGA
CGACAGCCGCGATAGTGACCACAGCTCTGAGCACGCACACTTATGATACCTACAAAGACCAGCTCCATTC
TCAGGAAAGCACCATTGTGATGGCAAACCTTACCGAACATCGTTTACATGGCAGATGTCTGTGGCAGTGT
GGCTTAGTATAATTAAATGCAGGCATCTCGAGTCTGTGTCTCATGATGGATAGACGGTTTACACTAAGTG
CCTTTTATTGAAGATGCTTCCACAGTGAAATTGGAGAAAGCGAACGTATTCCAAATACACTTGTTCCTAT
ATATGACAGAGAGGGAGATGGATGTTTGCTTTGGCTTGCACTGAAAATTAAATTTGCTACCAAGAGCAAA
CTTGATAAGACGTTTTTACTCAAGATGTCTCCAGAGTGAAGATGTTAAAAATAAAAAATGCTTTGAACAT
TCCAGTTGTGCCAGGTCATGTGTGTGACACTGGGCAGGTATTTGCTTTTGCTTGCACTGAAAATTAAACT
GCTATCAAGTTAATCCATGAAATAGTTTATCTTGAACAGCCACAGTGCCTGAAATCACCAAGTGGATATA
AAATGTACTGAAACTGTATATATTACCCCTAAGTCATTTTTCCTGTCTTCACTAATTTTAGCAAATGCAT
TCATATTAGCTGATTAAAAATAGGCTTTTCCATTGACAAACACAGCCAGCTTCTTGTATTTTTATACATT
TGTGTCAGACAGAGAAAATCAGTATGTGCTTACTTGTGTTCAAGTAGATAAAATGCAGTAGAGTCTGATA
GGACATATCCTTGTACCACAGACAAAACAAATCTTCTGTTGCATTGACTATCAACTGCTGCAGATACATT
AGAGAACATACCTAGCTCCCCTCCAGCCTTCTTCTCTTATATCTTGAAAGACATTAGGATCATAGGCAAA
TCAGTTACCTTGCAGAACGAGTCTTGTGCGGCAAATGTCTGATTTTACATCTTTAAGTTGTTAATGTTTA
TGGGTCTGATTCAATTAACAGGGAAAAGCTTTCTTCCTCCTTGTTTATGATATAAAACCAAGTGCCAAAC
AAAGCTAATTCTTCAAGAGAATAGTTGAGAAACTGAATGTCTGACAATTAGACTCTGAAAGTGCATTATT
TTTCATATGCTCTATATTCATGCAGAACAAGTTCTTGTATTTTGTAAAAAAAAAAAAAA
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Restriction Sites: EcoRI-NotI

ACCN: BC002076

Insert Size: 912 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).

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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC002076, AAH02076
RefSeq Size:	2229 bp
RefSeq ORF:	912 bp
Locus ID:	17286
Cytogenetics:	12 16.84 cM
Gene Summary:	Mesodermal transcription factor that plays a key role in somitogenesis and is required for sclerotome development. Activates expression of CDKN1A and CDKN2A in endothelial cells, acting as a regulator of vascular cell proliferation. While it activates CDKN1A in a DNA-dependent manner, it activates CDKN2A in a DNA-independent manner. May have a regulatory role when quiescent vascular smooth muscle cells reenter the cell cycle. [UniProtKB/Swiss-Prot Function]

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