

Product datasheet for **RR206173**

Meox2 (NM_017149) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Meox2 (NM_017149) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Meox2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206173 representing NM_017149
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACACCCCCTTTGGCTGCCTGCGCAGCCCCACGCCACAGCGCAAGGCTTGCACCCCTTCTCGC
AGTCTTCTTGGCCCTCCATGGAAGATCTGACCACATGTCCTACCCCGAACTCTCCACATCTTCTCGTC
TTGCATAATCGCGGGATACCCCAATGAGGAGGGCATGTTTCCAGCCAGCATCACAGGGGCACCCAC
CACCACCACCACCACCATCACCACCACCAGCAGCAGCAGCAGCAGCAGGCTCTGCAAAGCAACTGGCACCTCC
CGCAGATGTCCTCCCGCAAGCGCGGCCGGCACAGCCTTTGCCTGCAGCCTGATTCCGGAGGGCCCC
GGAGCTGGGGAGCAGCCCTCCGGTCTGTGCTCCAACCTTCTAGCCTGGGCTCCAGCACCCGACCGGA
GCCGCGTGCGCACCAAGGATTATGGCCGTCAAGCGCTGTACCCGCAGAAGTGGAGAAGAGAAGTGGCA
GCAAAAGAAAAGCGACAGTTTCCAGATCCAGGAAGGAAATTACAAGTCAGAAGTGAACAGCAAACCTAG
GAAGGAAAGAACAGCTTTCACCAAAGAGCAAATCAGAGAAGTGGAGCAGAGTTCGCCCATCATAACTAT
CTGACCAGACTGAGAAGATATGAGATAGCGGTGAACCTAGACCTCACTGAAAGACAGGTGAAAGTGTGGT
TCCAGAACAGGAGAATGAAGTGAAGCGGGTCAAGGGGGACAACAAGGAGCTGCAGCCCGAGAAAAGGA
ACTGGTGAATGTGAAAAGGGAACACTTCTCCATCAGAGCTGTAGGAATTGGTGCAGCCACCCTCCAG
CAGACAGGGGACTCACTAGCAAATGACGACAGTCGCGATAGTGACCACAGCTCTGAGCACGCACACTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206173 representing NM_017149
 Red=Cloning site Green=Tags(s)

MEHPLFGCLRSPHATAQGLHPFSQSSLALHGRSDHMSYPELSTSSSSCIAGYPNEEGMFASQHRGHHH
 HHHHHHHHHQQQHQALQSNWHLPMSSPPSAARHSLCLQPDSSGGPELGSSPPVLCNSSSLGSSTPTG
 AACAPRDYGRQALSPAIEVKRSGSKRKSDDSSDSQEGNYKSEVNSKPRKERTAFATKEQIRELEAEFAHNNY
 LTRLRRYEIAVNLDLTERQYKVFQNRMMKWKRVKGGQQGAAAREKELVNVKKGTLPLSELGIGAATLQ
 QTGDSLANDDSRDSHSSEHAHL

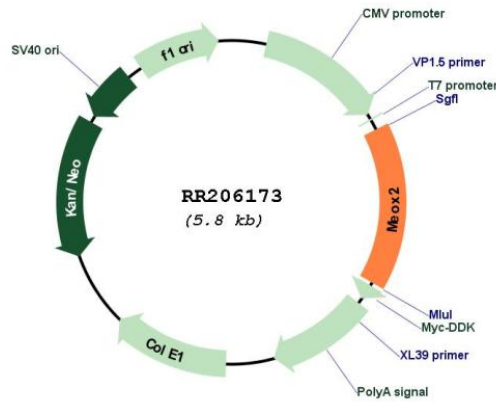
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017149

ORF Size:	909 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_017149.1 , NP_058845.1
RefSeq Size:	2244 bp
RefSeq ORF:	912 bp
Locus ID:	29279
UniProt ID:	P39020
Cytogenetics:	6q21
MW:	33.6 kDa
Gene Summary:	homeobox gene; may have a regulatory function in the G0-to-G1 transition of the cell cycle in vascular smooth muscle cells [RGD, Feb 2006]