

Product datasheet for **RG210105**

MOX1 (MEOX1) (NM_001040002) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MOX1 (MEOX1) (NM_001040002) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MOX1
Synonyms: KFS2; MOX1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210105 representing NM_001040002
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCCCGGGCCAGCAGCTGCATGAGGAGCCTCCAGCCCCAGCCCCTGTCTGGGGCTGCCTTCGAA
ACCCCACTCGGAAGGCAATGGGGCTCAGGGCTACCCCACTACCCGCCACCCCGTTCTCCTTCCACCA
GAAACCAGACTTCTGGCGACAGCGACGGCAGCGTACCCTGACTTCTCAGCCTCCTGCCTGGCAGCCACC
CCACACAGCCTGCCCCAGGAGGAGCACATCTTCACTGAGCAGCACCCCGTTTCCACAGTCCCCAACT
GGCACTTCCCTGTCTCAGACGCCCGGCGCAGGCCAACTCAGGCCGGCAGGGGGTTCCAAGGAAATGGG
GACCAGCAGCCTGGGCTGGTGGACACCACAGGAGGCCAGGCGATGACTACGGGGTGTGGGAGCACT
GCCAATGAGACAGAGAAGAAATCATCCAGGCGGAGAAAGGAGAGTTGAGACAACCAGGAGAACAGAGGGA
AGCCGGAGGGCAGCAGCAAGGCCGCAAGGAGAGGACGGCCTTACCAAGGAGCAGCTGCGAGAGCTGGA
GGCAGAGTTTGGCCATCATAACTACCTGACTCGGCTCCGAGATATGAGATTGCGGTAACCTGGACCTC
TCTGAGCGCCAGGTCAAAGTGTGGTTCCAGAACCAGGATGAAGTGAAGCGTGTGAAGGGAGGTCAGC
CCATCTCCCCAATGGGCAGGACCCTGAGGATGGGGACTCCACAGCCTCTCCAAGTTCAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG210105 representing NM_001040002
 Red=Cloning site Green=Tags(s)

MDPAASSCMRSLQPPAPVWGCLRNPHEGNGASGLPHYPPTPFSFHQKPDFLATATAAYPDFSASCLAAT
 PHSLPQEEHIFTEQHPAFPOSPNWHFVSDARRRPNSGPAGGSKEMGTSSLGLVDTTGGPGDDYGLVGLST
 ANETEKKSRRRKESSDNQENRGKPEGSSKARKERTAFATKEQLRELEAEFAHNNYLTRLRRYEIAVNLDL
 SERQVKVWFQNRMRKWKRVKGGQPI SPNGQDPEDGDSTASPSSE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001040002

ORF Size: 762 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:

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_001040002.1](#), [NP_001035091.1](#)

RefSeq Size: 2184 bp

RefSeq ORF: 420 bp

Locus ID: 4222

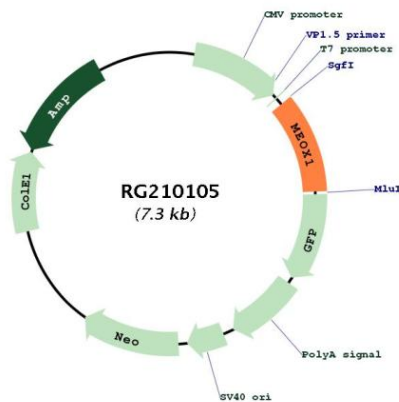
UniProt ID: [P50221](#)

Cytogenetics: 17q21.31

Protein Families: Transcription Factors

Gene Summary: This gene encodes a member of a subfamily of non-clustered, diverged, antennapedia-like homeobox-containing genes. The encoded protein may play a role in the molecular signaling network regulating somite development. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG210105