

Product datasheet for **SC311061**

MOX1 (MEOX1) (NM_001040002) Human Untagged Clone

Product data:

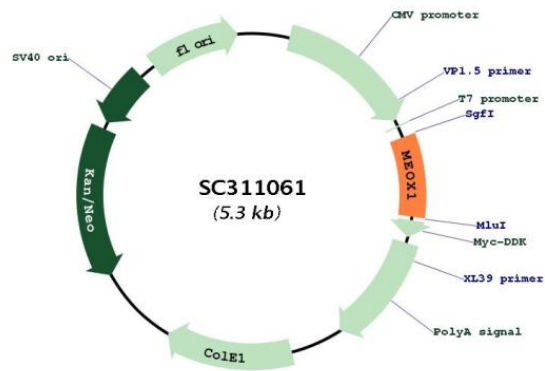
Product Type:	Expression Plasmids
Product Name:	MOX1 (MEOX1) (NM_001040002) Human Untagged Clone
Tag:	Tag Free
Symbol:	MEOX1
Synonyms:	KFS2; MOX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311061 representing NM_001040002. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGACCAGCAGCCTGGGCCTGGTGGACACCACAGGAGGCCAGGCGATGACTACGGGGTGCTTGGG
AGCACTGCCAATGAGACAGAGAAGAAATCATCCAGGCGGAGAAAGGAGAGTTCAGACAACCAGGAGAAC
AGAGGGAAAGCCGGAGGGCAGCAGCAAAGCCCGCAAGGAGAGGACGGCCTTCACCAAGGAGCAGCTGCGA
GAGCTGGAGGCAGAGTTTGGCCATCATAACTACCTGACTCGGCTCCGCAGATATGAGATTGCGGTAAC
CTGGACCTCTCTGAGCGCCAGGTCAAAGTGTGGTCCAGAACCGAAGGATGAAGTGAAGCGTGTGAAG
GGAGGTCAGCCCATCTCCCCAATGGGCAGGACCTGAGGATGGGGACTCCACAGCCTCTCAAGTTCA
GAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN:	NM_001040002
Insert Size:	420 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001040002.1
RefSeq Size:	2184 bp
RefSeq ORF:	420 bp
Locus ID:	4222
UniProt ID:	P50221
Cytogenetics:	17q21.31
Protein Families:	Transcription Factors
MW:	15.6 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and coding region (compared to variant 1), resulting in a protein that maintains the reading frame but is shorter at the N-terminus, compared to isoform 1.</p>