

Product datasheet for **SC303493**

MOX1 (MEOX1) (NM_004527) Human Untagged Clone

Product data:

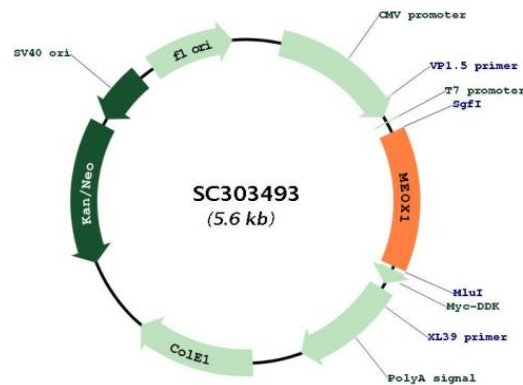
Product Type:	Expression Plasmids
Product Name:	MOX1 (MEOX1) (NM_004527) Human Untagged Clone
Tag:	Tag Free
Symbol:	MEOX1
Synonyms:	KFS2; MOX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303493 representing NM_004527. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGATCCCGCGCCAGCAGCTGCATGAGGAGCCTCCAGCCCCAGCCCCTGTCTGGGGCTGCCTTCGA
AACCCCACTCGGAAGGCAATGGGGCCTCAGGGCTACCCCACTACCCGCCACCCCGTTCTCCTTCCAC
CAGAAACCAGACTTCTGGGCACAGCGACGGCAGCGTACCCTGACTTCTCAGCCTCCTGCCTGGCAGCC
ACCCACACAGCCTGCCAGGAGGAGCAGCATCTTCACTGAGCAGCACCCGCTTCCACAGTCCCC
AACTGGCACTTCCCTGTCTCAGACGCCCGCGCAGGCCAACTCAGGCCCGCAGGGGTCCAAGGAA
ATGGGGACCAGCAGCCTGGGCCTGGTGGACACCACAGGAGGCCAGGCGATGACTACGGGTGCTTGGG
AGCACTGCCAATGAGACAGAGAAGAAATCATCCAGGCGGAGAAAGGAGAGTTAGACAACCAGGAGAAC
AGAGGGAAGCCGAGGGCAGCAGCAAAGCCCGCAAGGAGAGGACGGCCTTACCAAGGAGCAGCTGCCA
GAGCTGGAGGCAGAGTTTGCCCATCACTAATACCTGACTCGGCTCCGCAGATATGAGATTGCGGTAAC
CTGGACCTCTCTGAGCGCCAGGTCAAAGTGTGGTTCCAGAACCGAAGGATGAAGTGAAGCGTGTGAAG
GGAGGTCAGCCCATCTCCCCAATGGGCAGGACCTGAGGATGGGGACTCCACAGCCTCTCCAAGTTCA
GAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_004527

Insert Size: 765 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:

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_004527.3](#)

RefSeq Size: 2330 bp

RefSeq ORF: 765 bp

Locus ID: 4222

UniProt ID: [P50221](#)

Cytogenetics: 17q21.31

Protein Families: Transcription Factors

MW: 28 kDa

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]
Transcript Variant: This variant represents the longest transcript and encodes the longest isoform (1).