

Product datasheet for **SC305089**

HOXA6 (NM_024014) Human Untagged Clone

Product data:

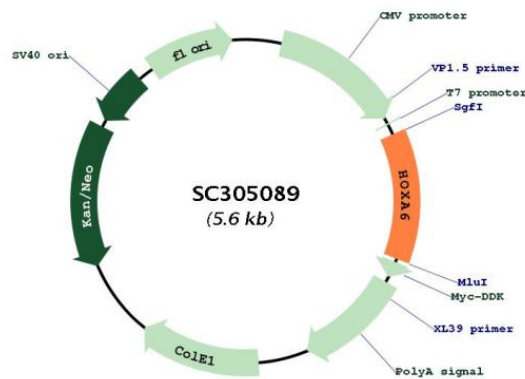
Product Type:	Expression Plasmids
Product Name:	HOXA6 (NM_024014) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXA6
Synonyms:	HOX1; HOX1.2; HOX1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305089 representing NM_024014. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTTCCTATTTTGTGAATCCCACTTTCCCGGGAGCCTTCCCAGCGGCCAGGACTCCTTCTTGGGC
CAGCTGCCCTCTACCAGGCTGGCTATGACGCGCTGAGGCCCTTCCCGCCTCGTACGGGGCGTCGAGT
CTCCCGGACAAGACGTACACCTCACCTTGTCTACCAACAGTCCAACCTCGGTCTTGGCCTGCAACCGG
GCGTCTACGAGTACGGGGCCTCGTGTCTATTCTGATAAGGACCTCAGTGGCGCCTCGCCCTCGGGC
AGTGGCAAGCAGAGGGGCCCCGGGGACTACCTGCACTTTTCTCCCGAGCAGCAGTACAAACCCGACAGC
AGCAGCGGGCAGGCAAAGCACTCCATGACGAAGGCGCCGACCGGAAGTACACGAGCCCGGTTTACCT
TGGATGCAGCGGATGAATCCTGCGCGGTGCTGTGTATGGGAGCCATGGGCGCCGAGGCCGCCAGACC
TACACGCGCTACCAGACTGGAGCTGGAGAAGGAGTTTCACTTCAACCGCTACCTGACACGGCGCCGC
CGCATCGAGATCGCCAACGCGCTCTGCCTCACCAGCGCCAGATCAAGATCTGGTTCCAGAACC GCCG
ATGAAGTGGAAAAGGAAAACAAGCTCATCAATCCACGAGCCAGCGGGGAGGACTCAGAGGCAAAG
GCGGGCGAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_024014

Insert Size: 702 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_024014.3](#)

RefSeq Size: 802 bp

RefSeq ORF: 702 bp

Locus ID: 3203

UniProt ID: [P31267](#)

Cytogenetics: 7p15.2

Protein Families: Transcription Factors

MW: 26.3 kDa

Gene Summary: In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. [provided by RefSeq, Jul 2008]