

## Product datasheet for SC306629

### HOXA3 (NM\_153631) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HOXA3 (NM_153631) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXA3
Synonyms:	HOX1; HOX1E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306629 representing NM_153631. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAAAAAGCGACCTACTACGACAGCTCGGCGATCTACGGTGGCTACCCCTACCAGGCAGCCAACGGG
TTCGTTATAATGCCAATCAGCAGCCGTACCCGGCGTCCGCCGCTTTGGGCGCCGACGGCGAGTACCAC
CGACCCGCTGCTCCCTCCAGTCTCCCTCCAGCGCCGGGGCCACCCCAAGGCACACGAAGTGAAGTGA
GCGTGCCTGCGCACCCCTGAGCGCCACCTAGCCAGCCTCCAAGCCTGGGAGAGCCGCCCTGCACCCG
CCGCCGCCAGGCGCGCCCTGCCACAGCCGCTCAGCCGCACCTCAGCCCTGCACCTACC
CCTGCCGCGCCCGCTCCCTTCTGCCTCCCTCCTCAGAATGCCAGCAACAACCTACCCCTGCC
AACCGGCCAAGAGCCCTGCTCAACTACCCACAGTGCCAAACAAATCTTCCCTGGATGAAAGAG
TCTCGACAAAACAAAAGCAGAAAACAGCAGCTCCAGCTCAGGCGAAAGCTGCGCTGGCGACAAGAGC
CCGCCGGGCGAGGCTTCCGTCGAAGCGCGCGCACGGCTACACGAGCGCGCAGCTGGTGGAGCTGGAG
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ACTGAGCGCCAGATCAAGATCTGGTCCAGAATCGCCGCATGAAGTACAAAAGGATCAGAAGGGCAAG
GGCATGCTAACGTCATCGGGGGCCAGTCTCAAGTCGCAGCCCGTCCCCCGGAGCCGGTGGCTAT
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GCCTCGGGCGCCATGGACTATGGGGTGGCGGCGCTGGGCAGCGGCCACCACCAGGGCCGGGCGCT
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CCCAAGCTCACCCACCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>Plasmid Map:</b>	□
<b>ACCN:</b>	NM_153631
<b>Insert Size:</b>	1332 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_153631.2</a>
<b>RefSeq Size:</b>	3396 bp
<b>RefSeq ORF:</b>	1332 bp
<b>Locus ID:</b>	3200
<b>UniProt ID:</b>	<a href="#">O43365</a>
<b>Cytogenetics:</b>	7p15.2
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	46.4 kDa
<b>Gene Summary:</b>	<p>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. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode isoform a.</p>