

Product datasheet for **SC122879**

HOXA10 (NM_018951) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOXA10 (NM_018951) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXA10
Synonyms:	HOX1; HOX1.8; HOX1H; PL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_018951 edited
 GTCAGCCAGAAAGGGCTATCTGCTCCCTTCGCCAAATTATCCCACAACAATGTCATGCTC
 GGAGAGCCCCGCCGGAACCTTTTTTGGTCGACTCGCTCATCAGCTCGGGCAGAGGCGA
 GGCAGGCGGGCGGTGGTGGTGGCGCGGGGGCGGGCGGGTGGCGGTTACTACGCCACGG
 CGGGGTACTCTGCCGCCGCCGACCTGCCCTACGGGCTGCAGAGCTGCGGGCTCTT
 CCCCACGCTGGGCGCAAGCGCAATGAGGCAGCGTCGCCGGGCAGCGGTGGCGGTGGCGG
 GGGTCTAGGTCCCGGGGCACGGCTACGGGCCCTCGCCATAGACCTGTGGCTAGACGC
 GCCCCGGTCTTGCCGATGGAGCCGCTGACGGGCCGCCGCCGCCAGCAGCAGCC
 GCCGCCCGGCCAACCACCCAGCCAGCGCCGAGGCCACCTCGTGCTCTTTCGCGCA
 GAACATCAAAGAAGAGAGCTCCTACTGCCTCTACGACTCGGCGGACAAATGCCCAAAGT
 CTCGGCCACCGCCGCGAACTGGCTCCCTTCCCGGGGGCCGCCGCCGACGGTGCGC
 CCTGGCACCTCCAGCGGGGTGCCAGTGCCTGGCTACTTCCGCTTTCTCAGGCTACGG
 CACCGCAAGGGCTATGGCAGCGCGCGCGCGCGCAGCAACTCGGGGCTGGCCCGTT
 CCCCAGCAGCCCCGGGGCGCGGTTTCGATCTCCCGCCCGCTAGCCTCCGGTCCGGC
 CGATGCGGCCCGAAGGAGCGAGCCCTCGATTGCGCGCCGCCCCACGCTGGCTTGGCG
 CAGCGGGCGGGGCTCGCAGGGCGACGAGGAGCGCACGCGTCGTCTCGGCCGCGGAGGA
 GCTCTCCCGGCCCTTCCGAGAGCAGCAAAGCCTCGCCGGAGAAGGATTCCCTGGGCAA
 TTCAAAGGTGAAAACGCAGCCTTGGCTCACGGCAAAGAGTGGTGGAGAAGCGCTG
 CCCCTACACGAAGCACCAGACACTGGAGCTGGAGAAGGAGTTTCTGTTCAATATGTACCT
 TACTCGAGAGCGGCGCTAGAGATTAGCCGCAGCGTCCACCTCACGGACAGACAAGTGAA
 AATCTGGTTTTCAGAACCGCAGGATGAACTGAAGAAAATGAATCGAGAAAACCGGATCCG
 GGAGCTCACAGCAACTTAAATTTTCTGATGAATCTCCAGGCGACGCGTTTTTTCAC
 TTCCCGAGCGCTGGTCCCCTCCCTCTGTCTTTCAGGCTCGCCAGGAACCTGCACCTGTG
 CTGGAGCCCTGTCTCCCTCCACACTCGCCATCTCTGGGCGGTTACATCTGTGCAGG
 GCTGGTTTGTCTGACTTTTTGTTTCTTGTGTTTGTGGTGGTGGTTATTTGTTGTT
 TTCTGGGGGAAAAAGCCATATCATGCTAAAATTCTATAGAGATAGATATTGCTCTAAGTG
 TCAAGTCTGACTGGGCTGGGTTTGTGTCTTGGGGTCCCACTGCTCGAAATGGCCCTG
 TCTTCCGCCGAGCTGGTTTCTGCCAGCCTGGGGCAAACCTAGCCGGAAGGCCGAGGTC
 CCATTGTTGGCGCTGAGGTGTCTGGCCTGAGGTCAATGGTGCAAAGGAGCCGCCACCGG
 CATGTCTGCTGGAGTGTGTGTGTTAATCAGGGGATACAGGCCCTGGGTTTCTT
 TTTTCTTCTTCTTCTTCTTCTTGGCCAAGAGAAGGGCTTACAGGCATGGACATGCAGGT
 TGGCAAACGGGCTTGACTTTGGCTGATTTAAAAAGTGAGAAAGAAAGTAAAAAGGTTAA
 TTTTCTTCTTCTGTAAGATATCCCAGCTTTAAAAAGAAAAAAAAGAATTACCAAGAG
 AAGGGACTTCTCTTCCAGTTTCTGTAAGGTCTTACATTGCTGACTAAAATGTTTCATT
 TACCTCTAAATTTCCATATCCTTCTGGCTGTAGATAAATAATGTAGTTTTGTTTATGCAT
 TTGGAATTAGTGGATTTTTTGTCAATAAATGTTACCACTGGTAACATGTGACAAGCA
 CACCACAATCTCCCTATCTTGTGAAGTTGTTTTTAAATCGCCTTGAACAAAAAGTTT
 TTTTTTTGTTGTTTTGCTTTCTGAAATTCACAGAAGCCTAGGAGGACTGGGGTAAGC
 GGAATAAACTAGAGAAGGGAGACATTGTTTGGATTTCTTTATACTGTGAAGTTACATGC
 ATAAAAGGTCAAACCTGTAGATGCAGAAAAAGAAAAAACCTATAAATACAAATCTGTA
 TAAATGTCTATTATTATGAAGAATTGCCAATCTTGTTTAAGCAAATGCATTCTATCGTT
 ATTATAAATGTTAGTTCTAGCTCTATTTACTTCTAATCTTAAATCAGAATAAATAATAT
 TGTATTGCTGCTGCGTGGAAAAAGACGATGTTTATGTTCTTATAGAATAAAGCTGTG
 GAATGAAGCTTTTTAATTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3437_g03.zip

Restriction Sites: Please inquire

ACCN: NM_018951

Insert Size: 2627 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).
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_018951.2 , NP_061824.2
RefSeq Size:	2648 bp
RefSeq ORF:	1182 bp
Locus ID:	3206
UniProt ID:	P31260
Cytogenetics:	7p15.2
Protein Families:	Transcription Factors
Gene Summary:	<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 that may regulate gene expression, morphogenesis, and differentiation. More specifically, it may function in fertility, embryo viability, and regulation of hematopoietic lineage commitment. Alternatively spliced transcript variants have been described. Read-through transcription also exists between this gene and the downstream homeobox A9 (HOXA9) gene. [provided by RefSeq, Mar 2011]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein. Sequence Note: An upstream start codon is selected for this RefSeq based on conservation in at least 24 vertebrate species including mouse, rat, human, chimp, macaque, dog, cow, chicken, lizard, Xenopus tropicalis, Tetraodon and Fugu. Historically, a start codon that is 17 aa downstream has been used as the translation AUG start codon. No experimental evidence exists regarding which site is preferentially used.</p>