

Product datasheet for **SC122856**

Homeo box C10 (HOXC10) (NM_017409) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Homeo box C10 (HOXC10) (NM_017409) Human Untagged Clone
Tag:	Tag Free
Symbol:	Homeo box C10
Synonyms:	HOX3I
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_017409 edited
CGGATGGGGAAAAAAGATGTCAGCTCCTCCGCTGTAGTATTGCTCCTAAAAACCC
TCTCTCTGAAAATGACATGCCCTCGCAATGTAACCTCCGAACTCGTACGCGGAGCCCTTGG
CTGCGCCCGGGGAGGAGAGCGCTATAGCCGGAGCGCAGGCATGTATATGCAGTCTGGGA
GTGACTTCAATTGCGGGGTGATGAGGGGCTGCGGGCTCGCGCCCTCGCTCTCAAGAGGG
ACGAGGGCAGCAGCCCCAGCCTCGCCCTCAACACCTATCCGTCTACCTCTCGCAGCTGG
ACTCTGGGGCGACCCCAAGCCGCCTATCGCCTGGAACAACCTGTTGGCAGGCCGTGT
CCTCCTGCTCCTACCCACCTAGTGTCAAGGAGGAGAATGTCTGCTGCATGTACAGCGCAG
AGAAGCGGGCGAAAAAGTGGCCCCGAGGCAGCTCTACTACTCCACCCCTTGCCGGAGTCT
GCCTTGGGGAGCAGAGGTACCCGTGCCAGCTACTACCGCGCCAGCCCGAGCTACTCCG
CGCTGGACAAGACGCCCACTGTCTGGGGCCAACGACTTCAAGCCCTTTTCGAGCAGC
GGGCCAGTCTCAACCCGCGCGCCGAACATCTGGAATCGCCTCAGCTGGGGGGCAAAGTGA
GTTTCCCTGAGACCCCAAGTCCGACAGCCAGACCCCAAGCCCAATGAAATCAAGACGG
AGCAGAGCCTGGCGGGCCCTAAAGGGAGCCCTCGGAGAGCGAAAAGGAGAGGGCCAAAG
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ACACCACAGGAAATTGGCTGACAGCAAAGAGCGGAAGGAAGAAGAGGTGCCCTATACTA
AACACCAGACGCTGGAATTGGAGAAAGAATTTCTGTTCAATATGTATTTGACGCGAGAGC
GCCGCTGGAGATTAGCAAGACCATTAACCTTACAGACAGACAAGTCAAAATCTGGTTTC
AAAATCGCAGAAATGAAACTCAAGAAAAATGAACCGAGAGAAATCGGATCCGGGAACTGACCT
CCAATTTTAAATTTACCTGAGAGCGCGCCTCTCCTCCTCCCTTCCCGCTCCTTCTCTC
CCCGCCCTCCTCCCTTTGTGCCTGGTGATATATTTTTTTTTTCTCCCTGAGTATAAATG
CAATGCGACTGCAAAAAAGGCAAAGACCTCAGACTCTCCTTCCAAGGGACCTGTGGTTCC
TGCTGCGAAGATGCTTCCACTTAAGCATGAGAAATGGGGTGCCGGGATGTGGGGTGTGG
TGTGTGCCCTCATAGATGGGGGTGGGAGTGTGGCTGGTGTGTGTGTCAAAACCTCACTCA
CCCACGCACTCACACACAGCATTCTGTTCTCCATGCAAAGTTAAGATCGAATCCATCCGC
TTGTAGGGGAAAAAAGGAAAAAATTAACCAGAGAGGGTCTGTAATCTCGCAGAGCACA
GGCAGAATCGTTCCTTCTTGTGCATTTCTCCTTAGACTAATAGACGTTTTGGAAAGT
TCGGCTAGTGTTCTGTGTTTGTCTGTCAGCCAGAGCCTCCACCAAACCTCTCCATGT
CTTTACCTCCCAGTCGCTAAGAATCTGCTTGAAGTCTCGTATTTGACTGCTTTCTGC
TTTTCTCCACCCCTCCTAGCACCCACATCCCCATCTAGTAACATCTCAGAAATTTCC
ATCCAGAGGAACAAAAAATTAATAAGAACATAGCAAAGCAAAGACAGAAATGCCCCCC
CCCAAATATTGTCTGTCCCTGTCTGGGAGTTGTGTTATTTAAAGATATTCTGTATGTTG
TATCTTTTGCATGTAGCTTCTTAATGGAGAAAAAATCCTAATAAATTTCCAGAATC
ATAATCCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_017409 unedited NGCGTTACCATTTGTATACGACTTCTATAGGGCGGCCGCGATTCCCGGGATATCGTCGAC CCACGCGTCCGCGGATGGGGAAAAAAGAGTCAGCTCCTCCGCTGTAGTATTGCTCCT TAAAAACCCCTCTCTGAAAATGACATGCCCTCGCAATGTAACCCGAACTCGTACGCG GAGCCCTTGGCTGCGCCCGGGAGGAGAGCGCTATAGCCGGAGCGCAGGCATGTATATG CAGTCTGGGAGTGACTTCAATTGCGGGGTGATGAGGGGCTGCGGGCTCGCGCCCTCGCTC TCCAAGAGGGACGAGGGCAGCAGCCCCAGCCTCGCCCTCAACACCTATCCGTCTACCTC TCGCAGCTGGACTCCTGGGGCGACCCCAAAGCCGCTATCGCCTGGAACAACCTGTTGGC AGGCCGCTGTCTCTGCTCCTACCCACCTAGTGTCAAGGAGGAGAATGTCTGCTGCATG TACAGCGCAGAGAAGCGGGCGAAAAGTGGCCCCGAGGCAGCTCTACTCCACCCCTTG CCGGAGTCTGCCTTGGGGAGCACGAGGTACCCGTGCCAGCTACTACCGCGCCAGCCCCG AGTACTCCGCGTGGACAAGACGCCCACTGTTCTGGGGCCAACGACTTCAAGCCCT TTCGAGCAGCGGGCCAGTCTCAACCCGCGCGCGAACATCTGGAATCGCCTCAGCTGGGG GGGCAAAGTGAGTTTCCCTGAGACCCCACTCCGACAGCCAGACCCCAAGCCCAAT GAAATCAAGACGGAGCAGAGCCTGGCGGGCCCTAAAGGGAGCCCTCGGAGAGCGAAAAG GAGAGGGCCAAAGCTGCCGACTTCAAGCCAGACACCTCGGATAACGAAGCGAAAGAGGA GATAAAGGNCAGAAAN
Restriction Sites:	Please inquire
ACCN:	NM_017409
Insert Size:	1989 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_017409.2 , NP_059105.2
RefSeq Size:	2009 bp
RefSeq ORF:	1029 bp
Locus ID:	3226
UniProt ID:	Q9NYD6
Cytogenetics:	12q13.13
Protein Families:	Transcription Factors

Gene Summary:

This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXC genes located in a cluster on chromosome 12. The protein level is controlled during cell differentiation and proliferation, which may indicate this protein has a role in origin activation. [provided by RefSeq, Jul 2008]