

Product datasheet for **SC126418**

HOXC8 (NM_022658) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOXC8 (NM_022658) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXC8
Synonyms:	HOX3; HOX3A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_022658 edited
 GCCGAGCTCAGCACCGAGGCGCCCCAACCTGCCAGCCCCAGCCCACCAGCCCAGCC
 CAGTCCCAGGGGAGCCAGCTGGCCTGGGGTTCGGTCCCAGGGGGAGGGGAGTTTCGGGGT
 ACTGGGCGGGTACTCGTGAGCCAGAGGGGAGGGGCGCGGGTTTTTCATGTACCCAGCA
 TGAGCTCTACTTCGTCAACCCCTGTTCTCCAATACAAAGCCGGCGAGTCCCTGGAAC
 CGGCCTATTACGACTGCCGTTCCCTCAGAGCGTGGGCAGGAGCCATGCGCTGGTGACG
 GGCCCGGGGCTCGGCGCCCGGTTCCAGCACGCTTCGCACCAGTTCAAGACTTTTCC
 ACCACGGCACCTCCGGCATCTCCAACCTCAGGCTACCAGCAGAACCCTGCTCGCTTAGCT
 GCCACGGAGACGCTCCAATTCTATGGCTACGAGGCGCTCCCCAGACAGTCCCTTTATG
 GGGCTCAGCAAGAGGCGAGCGTGGTGCAATATCCCGACTGTAATCCTCCGCCAACACTA
 ACAGTAGCAAGGACAAGGCCACTTAAATCAAACCTCGTCTCCAGCCTCATGTTCCAT
 GGATGAGACCCACGCTCCGGGAGGCGCAGTGGACGGCAAACCTACAGCCGGTATCAGA
 CCTTGGAACTAGAAAAGGAGTTTCTCTTAATCCTTATTTGACACGAAAACGTCGGATTG
 AAGTCTCTCATGCCCTGGGACTGACCGAGAGACAAGTGAAGATCTGGTTCAGAACCAGAA
 GGATGAAGTGAAAAAGGAGAACAACAAGGATAAACTGCCGGGAGCCCGAGATGAGGAGA
 AGGTGGAGGAAGAAGAAATGAGGAAGAGGAGAAAGAAGAGGAGGAAAAGGAAAGAAAAA
 AGGACTAAGCAAAAAAGAAAGACCCCCCCCCCTTTAGCAACTCCTTGAAGTTTCGTTT
 TATGGTAGCAGATAAATTGAGAAGTTTACGACTGTCAATTTGCTTTTATAGAGAATAGAAT
 GACACTCAAACTCTAACTACCTGTGAGATACTTGACGCTCTGGTTTTATTACCTTTGGA
 CTTCCCCACTCTTTATTTGTTTGGGGGCTGGAGGGGGGAGACGGAGAAAACAGTAAAAAG
 TTCGGACTCTCTGTCTACTCCTTGCCCCACACACTTGCCCTGCCCCACCTTCTG
 AGTCTTCTGGATTTAAGGTCTGAGACCTGGCTCCGTGCTCCTCGGTCTGTCTCTCA
 CCACACTCCACCTCCCTGCTTCTGTTATTTATTTAGAGGGAGCCCTCGAAATG
 CAGAAAAGGACTTGTGGTTTTGTTTTATGCTAAGGCTAGTGTACTAGATGACTTTTTTC
 TAAAAAGGAAAGGACAGAAAAAATGAAGAAAGGAAAGGAAAGACAAATGTAAGAAATAA
 GGAAAAAGCAAGGAATATCCCCTCCCCCTCCCCCTCCCCCTCCCCAGGGCTCCCTGCTT
 AGAAAAACCCCTTGACTTTCTTAGGAACCTGATGGAACCTGAAGGAGATGTGGGTCT
 TTCCTCCCCCATTTCCAGAAGGAGATAGGAGCCTGCAGTCGCTCTAAAACTTA
 CCTAACCATCCCATGGTCACTCGGGCCCATGCCTTCTCTCCTTCGCTGTTTGATTTCTA
 TTCTGTTGGGCCCGCTTCTCTGAGCTGCATTAGTGTAGTGTCTCAGAAATCACCATAA
 TCACGAAAATAATAATAATAAATCTTTAACATACTACCTAAAGGGAACCTGCAATAATCT
 TGAAAAAGAAAAAGAAAAATTTTAAATCCTGCTATAGGAGAAAAAAGAAAAA
 TAAAAATAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_022658 unedited
 GGGATAGGATTTGTATACGACTTATATAGGCGGCGACGATTGATCTGGTACCGGTCC
 GGAAATCCCAGGATATCGTCGACCCACGCGTCCGCCACGCGTCCGGCCAGCTCAGCAC
 CGAGGCGCCCCAACCTGCCAGCCCCAGCCACCAGCCAGCCAGTCCCGGGGAGC
 CAGCTGGCCTGGGGTTCGGTCCCAGGGGAGGGGATTTTCGGGGTACTGGGCGGGTAC
 TCGTGAGCCAGAGGGGAGGGGCGCGGGTTTTTCATGTACCCAGCATGAGCTCCTACTTC
 GTCAACCCCTGTTCTCCAATACAAAGCCGGCGAGTCCCTGGAACCGGCCTATTACGAC
 TGCCGGTTCCTCAGAGCGTGGGCAGGAGCCATGCGCTGGTGTACGGGCCGGCGGCTCG
 GCGCCCGGCTCCAGCACGCTTCGCACCAGTTCAAGACTTCTTCCACCACGGCACCTCC
 GGCATCTCCAACCTCAGGCTACCAGCAGAACCCTGCTCGCTTAGTGCCACGGAGACGCC
 TCCAATTTCTATGGCTACGAGGCGTCCCAGACAGTCCCTTTATGGGGTCCANCAAGAG
 GCGAGCGTGGTGAATATCCCGACTGTAATCCTCCGCCAACACTAACAGTAGCGAAGGA
 CAAGGCCACTTAAATCAAACCTCGTCTCCAGCCTCATGTTTCCATGGATGAGACCCAC
 GCTCCGGGAGGCGCAGTGGACGGCAAACCTTACAGCCGGTATCAGACCTTGAACCTTGA
 AAGGAGTTTCTTTAATCCTTATTGACACGAAAACCTCGGGTTGAAATCTCTCATCCCTG
 GGGACTGGCCGAGAGAAATTGAAAATTTGGTTCCAGACCAAGGATGAAATGGGAAAAG
 GAGACC

Restriction Sites:	Please inquire
ACCN:	NM_022658
Insert Size:	2100 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_022658.3 , NP_073149.1
RefSeq Size:	2290 bp
RefSeq ORF:	729 bp
Locus ID:	3224
UniProt ID:	P31273
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 product of this gene may play a role in the regulation of cartilage differentiation. It could also be involved in chondrodysplasias or other cartilage disorders. [provided by RefSeq, Jul 2008]