

Product datasheet for **SC114100**

HOXC13 (NM_017410) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOXC13 (NM_017410) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXC13
Synonyms:	ECTD9; HOX3; HOX3G
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017410, the custom clone sequence may differ by one or more nucleotides

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ATGACGACTTCGCTGCTCCTGCATCCACGCTGGCCGGAGAGCCTTATGTACGTCTATGAGGACAGCGCGG
CGGAGAGCGGCATCGGCGGCGGGCGGAGGAGGAGGCGGCGGCACGGGCGGAGCGGGGGTGGCTGCAG
CGGAGCGAGCCCCGGCAAAGCCCCGAGCATGGATGGTCTGGGCAGCAGCTGCCGGCCAGCCACTGCCGC
GACCTGCTTCCGACCCCCGTGCTGGGCCGCCCGCGCTCCCCTGGGCGCCCTCAGGGCGCCGTCTATA
CGGACATCCCGGCCCGGAGGCGGCGCCAGTGTGCCCCGCCCGCACCCCCACCTCGTCCAGCGC
CACCTGGGCTACGGCTACCCCTTCGGGGCAGCTACTACGGCTGCCGCCTGTCGCACAACGTGAACCTG
CAGCAGAAGCCTTGCGCCTACCACCGGGCGATAAATACCGGAGCCGTCGGGCGCCCTGCCGGTGACG
ACCTGTCTCTAGGGCCAAGGAGTTCGCTTCTACCCAGCTTCGCCAGCTCCTACCAGGCGATGCCCGG
CTACCTGGACGTGTCGGTGGTGCCTGGGATCAGCGGGCACCCGGAGCCGCTCAGCAGCCCTCATCCCC
GTGCAAGGCTACCAGCACTGGGCTCTCTCAATGGCTGGGACAGTCAGGTGTAAGTCTCAAGGAGCAGT
CGCAGTCCGCCACCTCTGGAAGTCTCCCTTCCAGACGTGGTTCCTGCAGCCGAGGTGAGCAGCTA
CCGGCGCGGGCGCAAGAAACGCGTGCCCTACACTAAGGTGCAGCTGAAGGAGCTAGAGAAGGAATACGCG
GCTAGCAAGTTCATCACCAAGAGAAGCGCCGGCGCATCTCCGCCACCACGAACCTCTCTGAGCGCCAGG
TAACCATCTGGTCCAGAACCGGGCGGTCAAAGAGAAGAAGGTGGTCAGCAAATCGAAAGCGCCTCATCT
CCACTCCACTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_017410 unedited AAATCTTAGGCGTCCGTTGCCGCTATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATA AGCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCG CGAATTCGGCAGCAGGGCGAGGTGTCTCCCTAGCTCGCTGCCTCTGGCAAGTGGAGTTTT TAAAAAGCTCCAGCAGATCATGTATGACGACTTCGCTGCTCCTGCATCCACGCTGGCCG GAGAGCCTTATGTACGTCTATGAGGACAGCGCGCGGAGAGCGGCATCGGCGGCGCGCCG GGAGGAGGAGGCGCGGCACGGGCGGAGCGGGGGTGGCTGCAGCGGAGCGAGCCCGGC AAAGCCCCGAGCATGGATGGTCTGGGCAGCAGCTGCCCGCCAGCCACTGCCGCGACCTG CTTCCGCACCCCGTGTGGGCGCCCGCGGCTCCCTGGGCGCCCTCAGGGCGCCGTC TATACGGACATCCCGCCCCGGAGGCGCGCCAGTGTCCCGCAGCCCGCACCCCC ACCTCGTCCAGCGCCACCCTGGGCTACGGCTACCCCTTCGGGGCAGCTACTACGGCTGC CGCCTGTGCACAACGTGAACCTGCAGCAGGAGCCTTGCCTACCACCAGCGGATAAA TACCCGGAAGCCGTGGGCGCCCTGCCCGTGACGAACCTGTCTCTAGGGCCAGAGAGT TTCGCCNCTACCCAGTTTCGCCAGCTCCTACCAGGCGATGCCCGTTCCCTGGACTTTT CGGTGTGGCCCGGTTTCAGCGGGCACCCGGGAGCCGGTACGACCCCTTATTCCCTTC AAAGGGTACCACCCTGGGCCTTCTCCATGGCTGGGCACAGTCAGGTGACCTGTTC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_017410 unedited TGTACGCGCCGCAATCTAGATCGAGTTTTTTTTTTTTTTTTTTTCAAGGCAAAAAAGAA TTTTATTTAAAAACATGTTTGTGGTTTTTTTCTTTTTGCATTAGTACATTGTCATT CAGACATCACAATACTATATACAGATACACAACATTTTTAAAAAAGCCTATTCTGATG AACATTTCAAAGAACACTGTTTTGTAATGCACCAGTGGGAAGGGAAGAGCAAGGGGCC CCCACAGCACCAAGGTGGCCTTTGAGGAGGGAAGTGTAGGCAGCATCTACATTTAGCTA ATTGAGGGCCAGATCTTCTTGCCTTTGAACTAGATCCTCTAGCTTTCCTCTGAAATCA GTAAAGGTGAAAGTGTGAGGAGTCATTCCTGGGCTAGTGCCTGATGAAAGGTGACTGG ACAGGGACTTTGTTGAGGGACCCACTCTCCATCCNCTTGGAAAGAGATGTTTATCCTTAGA AAAAAGTTCTGCTTGTACCTGGACTAATCCCCAACCTTACCACCTANAGAGAGAGAGA GGAGAGAGGAGCCCTATTTAGCAGCGTGGCTGGAGTCTTTGTCCTCCTTGGATTTTATAT GTTGACTGAGAGAGCAGAACAGGGGAGGAGTGGGGCAAAGGCAGCTCCCACCTGGCCCC AGGAAATGCAGTTTCTTTGTTGGGATGGAGTGTAGGGCTGCGTCAATGCTTTTACGGGA ATCCAGCTTTTACGGAAACATCCATACTTCAATCAGCTGGCCAGTCCCTAATAATATCA TGAGTATTAACCGACTTTTAAAAACGCCAGAAAATTTTACTGGGAATCTTGCTAAGAT GGCGGAGGGCAAGCAAGAAAATTACTTGACAAATCTGTTGAACTGCCCTAGGAAGGCC CTTAAACCGCTCTAGATGAGGCAGAAATGGGCCCTCGGATCCCAACCTGTTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_017410
Insert Size:	2500 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:

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_017410.2](#), [NP_059106.2](#)

RefSeq Size: 2435 bp

RefSeq ORF: 993 bp

Locus ID: 3229

UniProt ID: [P31276](#)

Cytogenetics: 12q13.13

Domains: homeobox

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, 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 development of hair, nail, and filiform papilla. [provided by RefSeq, Jul 2008]