

## Product datasheet for **SC323932**

### HOXC11 (NM\_014212) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HOXC11 (NM_014212) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXC11
Synonyms:	HOX3H
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_014212.3  
 CTAAGACGGATAACGCGTCATCTCGCCTTCCCAAATTTTCCCCCTCGCTAGACCGGGTC  
 CAAAACCTCCATCCGGAGCCGGCAGGAGAGGAGAACGATGTTAACTCGGTCAACCTGGG  
 CAACTTCTGCTCGCCGTCGCGCAAGGAGAGGGGCGCAGATTTCCGGCAGCGAGGGAGCTG  
 CGCTCCAACCTCTATCTGCCAGTTGCACTTACTACATGCCCGAGTTCTCCACGGTCTT  
 CTCCTTCTGCCAGGCCCCCTCTCGTCAGATCTCTATCCCTACTCGGCCAAGTGCC  
 CCGGTCCGGAGGTCTCTACGGCCTGGAGCCATCCGGCAAGTGGCACCATCGGAACAG  
 CTACTCCTCCTGCTATGCGGCGGCCGACGAGCTTATGCACCGGGAGTGCCTGCCTCTTC  
 CACCGTACCCGAGATCCTCATGAAAAACGAAGGCTCTACGGCGGCCACCACCACCCAG  
 CGCCCCGACGCAACCCCGCCGGCTTCTACTCCTCAGTCAACAAGAACAGCGTCTGCTGCC  
 TCAAGCCTTCGACCGTTTCTTCGACAACGCCTACTGCGGTGGCGGCGACCCGCCCGCGA  
 GCCCCCTGCTCCGGCAAGGGCGAGGCCAAGGGGGAGCCCGAGGCACCCCGGCCCTCGGG  
 ACTGGCGTCCCGGCTGAGGCGGTGCCGAGGCGGAGGCTGAGGAGGAGAACACAATCC  
 CAGCTCGTCCGGTTCAGCCCACTCCGTGGCCAAGGAGCCGCCAAAGGAGCCGCCCCAA  
 CGCCCCCGCACCCGCAAGAAGCGCTGCCCTTATCGAAATTCAGATCCGGGAAGTGA  
 GCGAGAGTTTTTCTTCAACGTGTATATCAACAAGAGAAGCGGCTGCAGCTGTCCCGGAT  
 GCTGAACCTGACGGACCGACAAGTGAAAATTTGGTTTCAGAACAGAAGGATGAAAGAAAA  
 GAAACTGAGCAGAGACCGGCTGCAGTATTTCTCGGAAATCCTCTGCTGTAACTGCAGA  
 CCGGGCCCTTTTGGGGCGGGGGAGGGGAAAAATTATTTATTTTATTTTATTTTAT  
 TTTCTAACTCGTCTTCTTCCGCCGGTGGAAAAGTGGACTGTGGCCAGGGCTGGCCCCCA  
 CCGCTGTGGCCGGCACTCCATCCGGAACCTCCTGGACCCTCTATCTGACTCTCGCTGTG  
 GGACAGGGACCGGCCTGAAAAGGGGTGAAGGGAAGTGTCTGATGCACGGCGAGTGAAC  
 ACCGTTGGCGCCGAGGCCAAGACTTTGATTTAAAAGAAAACACACCTCGGCGACAATGTC  
 TTGCTGCTCGGATTAGGTGGGGGAGGGGCGACAGTAGTGAGCGCCTGAGCCGAACAATCC  
 TCGAACTAAAAGCCTTCCCTTGCCCATGTGAAAAGATCCGCTAAGACAGCATGTCTGCCA  
 GCGGAACTTCTCGAGCTCCCCCTCTACCCCGCCCCACCTTGCCCCACTACTTTAGGGG  
 GCAGCTAAATGTGATCCTGCCTTGTGTGAAATTTCTGTACCTTCAACCTGGTGTAGGT  
 GTGCAAAGTCCGTGCTACCTCCGTCTCGCCAAGGCCCGCCCGAGCCTAGTTGTTCT  
 CCCCTGAATGTGTAGAACCTTCTTTGAAATTTCTTAATCGGTGCATTGAGGTTCCAC  
 ATCTTTTTCCAAGCAGTGCCCCACTTCATGGATTTATAGCTATAGTCTATGCAGTCGTTA  
 CCTTTTTTTTTTTTTTTTTTAAAGAAAATTGAAGATTGGGGTGGTGGAGGCAGTAGGGAG  
 ATGGGATTGGGCACCTCCCCGTGCTGGGCCTGGATTTTGTAAATAAATTTCCCAAGC  
 GTTTCTTTCCACCTGGAGGGAAAGGGGGGACGCCCCAGTGAGATTCAAATCACGCATC  
 TCTACTCCTCTGCGTGAGTGCCTGTGTACATGTGCACTCCCACCTGCTCCCTCCAG  
 AGGGATTGCTGTGAAATTTTTTGGTGGCAATAAAGATAAATTCATTCTGTTCAAAAA  
 AA

**Restriction Sites:** ECoRI-NOT

**ACCN:** NM\_014212

**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).

**OTI Annotation:** 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.

**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\\_014212.3](#), [NP\\_055027.1](#)

**RefSeq Size:** 2100 bp

**RefSeq ORF:** 915 bp

**Locus ID:** 3227

**UniProt ID:** [O43248](#)

**Cytogenetics:** 12q13.13

**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 binds to a promoter element of the lactase-phlorizin hydrolase. It also may play a role in early intestinal development. An alternatively spliced variant encoding a shorter isoform has been described but its full-length nature has not been determined. [provided by RefSeq, Jul 2008]