

Product datasheet for **SC306948**

HOXC12 (NM_173860) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOXC12 (NM_173860) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXC12
Synonyms:	HOC3F; HOX3; HOX3F
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306948 representing NM_173860. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCGAGCATAATCTCCTGAATCCCGGGTTTGTGGGGCCGCTGGTAAACATCCACACGGGAGACACC
TTCTACTTCCCAACTTCCGCGCGTCCGGGGCGCAGCTTCCCGGGCTGCCTTCGCTGTCCTACCCACGC
CGCGACAACGTGTCTCCTGTCTGGCCGTGGCGGAGCCGTGCAATGGCTACCCGAGCCCTACCTC
GGCAGCCAGTGTCTCTCAACCCCTCCCTCGGCCGCACGTGCGAGCTGGCGCGCTGGAGGACGGCAAG
GGTTACTACCGCGAGCCGTGCGCCGAGGGTGGCGGGGGGCTGAAGCGTGAGGAGCGGGGCGCGAC
CCGGGAGCCGGGCCGGGCGAGCGCTGCTCCCGCTGGAGCCGTGGGGCCGCTGCGCTCGGCTTCAAG
TACGACTACGCGCGGGCGGGCGGGTGGCGACGGCGGGCGGGCGCAGGACCTCCGACGACCCGCC
TCCTGCCAGTCGCTGGAATCCGACTCCAGTTCGTCCCTGCTCAACGAGGGCAACAAGGGCGCCGGCGCA
GGCGACCCCGGCGAGTTGGTATCGCCGTTGAACCCGGCGGGGCTCTCGGCCAGCGGGCGCCCTGG
TACCCGATCAACAGCCGCTCTCGGAAGAAGCGAAGCCCTATTGAAAGTTGCAACTGGCAGAGCTGGAG
GGCGAGTTTCTGGTCAACGAGTTCATCACACGCCAGCGCCGAGGGAAGTCTCAGACCGTTGAATCTT
AGTGACCAGCAGGTCAAGATCTGGTTTCAGAACCGGAGAATGAAAAGAAAAGACTTCTGTTGAGGGAG
CAAGCTCTCTCCTCTTTTAA
ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_173860
Insert Size:	849 bp



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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:	<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:	<u>NM_173860.2</u>
RefSeq Size:	951 bp
RefSeq ORF:	849 bp
Locus ID:	3228
UniProt ID:	<u>P31275</u>
Cytogenetics:	12q13.13
Protein Families:	Transcription Factors
MW:	30.2 kDa
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. [provided by RefSeq, Jul 2008]