

Product datasheet for **SC125880**

HOXA11 (NM_005523) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOXA11 (NM_005523) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXA11
Synonyms:	HOX1; HOX11; RUSAT1
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_005523 edited
CTTCAAAGAGGCAGCTGCAGTGGAGAATCATGTTAAGCTCGGCTACTGCGGAGAGCCAA
GGTAGCCCAATAATGGATTTTGTAGAGCGTGGTCCCTGCTCCTCTAACATGTATTTGCCA
AGTTGTACTIONACTACGCTCTCGGGTCCAGATTTCTCCAGCCTCCCTTCTTTTCTGCCCCAG
ACCCCGTCTTCGCGCCCAATGACATACTCTACTCCTCCAACCTGCCCAAGTCCAACCC
GTGCGCGAAGTGACCTTCAGAGAGTACGCCATTGAGCCCGCCACTAAATGGCACCCCGC
GGCAATCTGCGCCACTGCTACTCCGCGGAGGAGCTCGTGACAGAGACTGCCTGCAGGCG
CCCAGCGCGGCCGCGTGCCTGGCGACGTGCTGGCCAAGAGCTCGGCCAACGTCTACCAC
CACCCACCCCGCAGTCTCGTCCAATTTCTATAGCACCGTGGGAGGAACGGCGTCTCTG
CCACAGGCTTTTCGACCAGTTTTTCGAGACAGCCTACGGCACCCCGGAAAACTCGCCTCC
TCCGACTACCCCGGGGACAAGAGCGCCGAGAAGGGGCCCGCGGCCACGGCGACTCC
GCGGGCGCGGGCGGCTGCAACGGGCGCGCCGCAACTCAAGTTTCGACAGCGGGCGC
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GAGAGCAGCAGCAGCCCCGAGTCTTCCGGCCACTGAGGACAAGGCCGGCGGCTCC
AGTGGCCAACGCACCCGCAAAAAGCGCTGCCCTATACCAAGTACCAGATCCGAGAGCTG
GAACGGGAGTTCTTCTTACGCTTACATTAACAAAGAGAAGCGCTGCAACTGTCCCGC
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AGCGGCTGGAATTGGGTGGGGGCTTCATACACATGAGATAATATGCAGATTTTGCCCTT
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CTAATAATCATTGGATTCTGAGAGCTGTGCATCAGCTAGAATGACAGGTTTGGGACCCCT
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CCCACCCAGGACCCCTGAGTAAAAAGCTGTGTCTCTCAAGCCAGTTCAGCTTGG
GGACAGGGGACAGGAGGAAGGGTAGGATTACTAGGTGCCAGAATGAGGCTGCTTCCAA
AGCCAATGTGAACAGCGGCTGGACTTGGAGGTAGCTTTGAGGTGGAAGAGGGCTGCAAA
CCTTGTGGGAAAAGAAATCTATGATTCCAGGTGGCATCAGTGTCTTTCCACTCCTCTAG
CCACCCACCGACTGATCCAGCCCTGAGTTCCTAGCCACCGCTCCTACAGCCACCTGG
CTTTTCTTTCTACCAAATGAGGGTCTTGGTTCCAGCCTGCCACTCAGGCCAAAGCCTCG
ACACAGAGTGGACTGTTCCCTGAGGTGGGAGATGTGAAAAGCCAAGAGGCTGCAGCCAG
GCCACTGGCCCTGAGATCTCTGCAGGAAATGGCTGTGGAGTGTGGCAGTTTGGCAAAT
CTCCACCACACGTAATGAACTTGGATTTGCTCAGTGTCTGGCTGCAGAGCAGTGGGCT
GGCCAGCAGGTCCCAGCTTTGGCTATGAGGGCCTTGGTCCCCAAAACACCGGTTCC
AGCACCACACTCAGCCCTCATTGGCTCTTGAAGTGTGGAGCTTGGTGGACTTC
CAAGAGCTGAGAGTGGGTGGAATTTTTAAAAGATAAATATTATATTATATATATAT
ATATTTCCCTGAAGGAACCAAAGCGAATTTTTAAAAGATGCAATGTAGAGGGGAAAAGAGA
TGATGAAAATATTTAAAGCCCTATCTGTTTACAGTGTTCGTGGTTAACTCGTCACT
GCTAAGAATATTTGAATGTATGCTTCATACAGGGATGGTGTCAAAAACTTGTAATAA
AGGAACCATAATCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005523 unedited GGAGTTTTGATTTGTATACCACTTACTATAGGCGGCCGCGGATTCANATCTGGTACCGGT CCGGAATTCCTGGGATCTTCAAAGAGCAGCTGCAGTGGAGAATCATGTTAAGCTCGGCTA CTGCGGAGAGCCCAAGGTAGCCCAATAATGGATTTTGTAGAGCGTGGTCCCTGCTCCTCT AACATGTATTTGCCAAGTTGACTTACTACGTCTGGGTCCAGATTTCTCCAGCTCCCT TCTTTTCTGCCCCAGACCCCGTCTTCGCGCCCAATGACATACTCCTACTCCTCCAACCTG CCCCAGTCCAACCCGTGCGCGAAGTGACCTTCAGAGAGTACGCCATTGAGCCCGCCACT AAATGGCACCCCGCGGCAATCTGGCCCACTGCTACTCCGCGGAGGAGCTCGTGACAGA GACTGCCTGCAGGCGCCAGCGCGGCGCGTGCCTGGCGACGTGCTGGCCAAGAGCTCG GCCAACGTCTACCACCACCCACCCCGCAGTCTCGTCCAATTTCTATAGCACCGTGGGC AGGAACGGCGTCTGCCACAGGCTTTTCGACCAGTTTTTCGAGACAGCCTACGGCACCCCG GAAAACCTCGCTCCTCCGACTACCCCGGGGACAAGAGCGCCGAGAAGGGGCCCCCGGCG GCCACGGCGACCTCCGCGCGGCGGCGGCGGCTGCAACGGGCGCGCCGCAACTTCAAGT TCGGACAGCGGCGGCGGCGGCGGCTGCCGGGAGACCGCNGCGGCAGCAGAGGAGAAGAGC GCGGCGGCGCCCGAGAGCAGCAGCAGCCCGAGTCGTCTTCCGCCCACTGAGGACAAG GGCCCGCGCTCAGTGCCAACGCACCCGCAAAGCGCTGCCCTATN
Restriction Sites:	NotI-NotI
ACCN:	NM_005523
Insert Size:	2600 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_005523.4 , NP_005514.1
RefSeq Size:	2295 bp
RefSeq ORF:	942 bp
Locus ID:	3207
UniProt ID:	P31270
Cytogenetics:	7p15.2
Protein Families:	Transcription Factors

Gene Summary:

In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. This gene is involved in the regulation of uterine development and is required for female fertility. Mutations in this gene can cause radio-ulnar synostosis with amegakaryocytic thrombocytopenia. [provided by RefSeq, Jul 2008]