OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC126232

HOXA3 (NM_030661) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOXA3 (NM_030661) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXA3
Synonyms:	HOX1; HOX1E
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_030661 edited
TCTCACTAGCCTCAGAGCACTCTCAGAAGTTCAGAAACTAAGACCAGAAAAGAGAAGATT
TTTAGACAGCTCATGAAACGGTCTGCGCGGGGCGGCCATTGGCGGCGGAGTGTCACGTGA
CCGCGGGGGCGTGCCAATGTGCGCCCTCACGGGTGTCAAACCCCTGTCAGAGTGTGCGAT
CAAGATCGTGAAACAACGCGATGCAAAAAGCGACCTACTACGACAGCTCGGCGATCTACG
GTGGCTACCCCTACCAGGCAGCCAACGGGTTCGCTTATAATGCCAATCAGCAGCCGTACC
CGGCGTCCGCCGCTTTGGGCGCCGACGGCGAGTACCACCGACCCGCCTGCTCCCTCCAGT
CTCCCTCCAGCGCCGGGGGCCACCCCAAGGCACACGAACTGAGTGAGGCGTGCCTGCGCA
CCCTGAGCGCCCCACCTAGCCAGCCTCCAAGCCTGGGAGAGCCGCCCCTGCACCCGCCGC
CGCCCCAGGCCGCGCCCCCTGCCCCACAGCCGCCTCAGCCCGCACCTCAGCCCCCTGCAC
CTACCCCTGCCGCGCCCCCGCCTCCCTCTTCTGCCTCCCCTCCTCAGAATGCCAGCAACA
ACCCTACCCCTGCCAACGCGGCCAAGAGCCCCCTGCTCAACTCACCCACAGTGGCCAAAC
AAATCTTCCCCTGGATGAAAGAGTCTCGACAAAACACAAAGCAGAAAACCAGCAGCTCCA
GCTCAGGCGAAAGCTGCGCTGGCGACAAGAGCCCGCCGGGGCAGGCTTCGTCCAAGCGCG
CGCGCACGGCCTACACGAGCGCGCAGCTGGTGGAGCTGGAGAAAGAGTTCCACTTCAACC
GCTACCTGTGCCGGCCGCGCCGGGTGGAGATGGCCAATCTGCTGAACCTCACTGAGCGCC
AGATCAAGATCTGGTTCCAGAATCGCCGCATGAAGTACAAAAAGGATCAGAAGGGCAAGG
GCATGCTAACGTCATCGGGGGGGCCAGTCTCCAAGTCGCAGCCCCGTGCCCCCCGGAGCCG
GTGGCTATCTGAACTCTATGCATTCGCTGGTCAACAGCGTCCCGTATGAGCCCCAGTCGC
CCCCGCCCTTCTCCAAGCCCCCCCAGGGTACCTACGGGCTGCCCCCCGCCTCCTACCCTG
CGTCCCTGCCCAGCTGCGCACCCCCGCCACCCCCACAGAAGCGCTACACGGCGGCAGGGG
CGGGCGCAGGGGGCACCCCCGACTATGACCCGCACGCTCATGGCCTGCAGGGCAACGGCA
GCTATGGGACCCCACACATACAGGGAAGCCCCGTCTTCGTGGGGGGCAGCTATGTGGAGC
CCATGAGCAACTCCGGGCCAGCCCTCTTTGGTCTAACTCACCTCCCCCACGCTGCCTCGG
GCGCCATGGACTATGGGGGTGCCGGGCCGCTGGGCAGCGGCCACCACCACGGGCCGGGGC
CTGGGGAGCCGCACCCCACCTACACGGACCTTACCGGCCACCATCCTTCTCAGGGAAGAA
TTCAGGAAGCACCCAAGCTCACCCACCTGTGATAGTGGGCTTGGGGCTACGCGCCAGGAG

View online »

AGTCTCCCCCCACCCACCTTTTTTCTTTGGTTGCTTTTTTTTTTTTTTTTTAGGTTCTTCC
TGCCCTTTCCTTCCTTCCTTTTCTCTCTTCTCCGCCCCGCACTCCGTTTCCCGGTTTCCC
CCCTCGTTGGTAAGGCGTTTTTATAGTTTATGTGACGTAGCAATCTTGGTTGCTGGAATG
GCTGTATCATAGCGATATTTATCTCTTCCTGCTCCTCGATAGGCCACTGGCCCTGCACCC
TTTACCTTCTCCACTCTTTGATCAGAAACAGGGTATATGAACAAATTTTCTAGTCGAGTT
TTCAATGTGAATTTGTTCTTACATTATGGCTCCCGAGGGGAAGCGATTACTTTTTTTAAT
TTTAAATTTTTTTTTTTTAATTGCACTTCTTGTAAAGAGTGAGAAAAAAAATCAAAGGCGC
TTTGAAACAGGGGCTCTCTGTGCAAGGATGACTAAGTGTACGTCTTTCCGTGTGTGTATG
CTGGTGAACAGTCAGATTTATTTATATTTTTTTGCAAGCATTGAATAATCTAAGTTTTAA
ATATTATTTATCCCCATCCGTTCGTATTTATATTAAAGAATTCTGTACCCTGATGGTTCA
GAAGGGTTCTTGGGCCTTTTGTTCAATTGTGTATTGGCGTACTTAGAATTTTTTTTATTT
GAAAGAGAAATATAATTCCTTTAAACGGTAACGATGCAATAAAACCAGAGAAGATCCAGC
TTTTGAAAACAGTGATTTAGGTTTGTAACATCCGGCAAAACTGAAAAAAAAAATCTGTAA
ACGCGAAAAATACTAGATTTGTTTTGAGAGTTCTTCATTCCTTGCTGCTCACATTCTGAG
AAACAAAAAGAAATAAAGTTTTTATTCTGAATAATATCCGTGTTAAGAAGGGGTTCTTTG
GCCGAAGACGTGGGTCTGCGTGGAATTCAGGCCGAGGCGAGCCGGCAGAGCAGGCCGGAC
GCAGCAGCCCTCTGGCTCCAGCATGGGGCCTGGCCAGGCTATTCGCCTGGAAGCTCGGCG
AATTCTCAGGATGGCGGCTGGGGCTCCAGGCGGCTGCGGCAGCTCTGGTAACGCCGTGCG
GCGGGCCAGCTGGGCTGCCCGGTTCCCAGCTGCTGCGGAGGCAGGCTGAGGGCGCAGGGG
CTGCCGAGTGCTGTGCACGGAAGAAACAAAGACATCCCGGCCCAAGGCGCAGCGGGAGCG
CACAGGTGCCCCGCGGCCCAGCCGGGGGATAACGCAGGGCGGTCTTCTGCTCCATGCTCT
TCCTCGGGTCAAAGCGGACCAACTAACGCCTAAACCTCGGTATTAGCCAGCCGCGCAGAG
GATGCCGAGCACTTTCCGGGAGCAATCGGACTCCTGGTCTCCTCTGGGGATGCTTCGCGG
TCTGTTATCGCGTCAGGAGGAAAGAATTGCTCCAAAAATCTGCACGCGGAGCGAAACAGT
TTGAAAGGGACTGAGGCTCACCCAGGTCTCCAGCAAACGGAGGACTGAACTGGGGAGAGT
CACCCTGAGCCAGCCCTTCCCTGGACTGCCGGAATCCCAGCATTAGCTTCCTGCTGAATG
TAGTATTTGGCATTCTCTGAATTTATTTCCTCTCCTTCCCCCACCCAGCTTTCTTTTTAT
GGCCCCAGGGGGAGGGGGAGAGAGCAAGGAGATCGGTATCTTTGTAATAAAACTGCAATT
TTATAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_030661 unedited
GGGTTTGATTTTGTATACCATTATATAGGCGGCCGCGNATTCANATCTGGTACCGGTCCG
GAATTCCCGGGATATCGTCGACCCACGCGTCCGTCTCACTAGCCTCAGAGCACTCTCAGA
AGTTCAGAAACTAAGACCAGAAAAGAGAAGATTTTTAGACAGCTCATGAAACGGTCTGCG
CGGGGCGGCCATTGGCGGCGGAGTGTCACGTGACCGCGGGGGCGTGCCAATGTGCGCCCT
CACGGGTGTCAAACCCCTGTCAGAGTGTGCGATCAAGATCGTGAAACAACGCGATGCAAA
AAGCGACCTACTACGACAGCTCGGCGATCTACGGTGGCTACCCCTACCAGGCAGCCAACG
GGTTCGCTTATAATGCCAATCAGCAGCCGTACCCGGCGTCCGCCGCTTTGGGCGCCGACG
GCGAGTACCACCGACCCGCCTGCTCCCTCCAGTCTCCCTCCAGCGCCGGGGGCCACCCCA
AGGCACACGAACTGAGTGAGGCGTGCCTGCGCACCCTGAGCGCCCCACCTAGCCAGCCTC
CAAGCCTGGGAGAGCCGCCCCTGCACCCGCCGCCGCCCCAGGCCGCGCCCCCTGCCCCAC
AGCCGCCTCAGCCCGCACCTCAGCCCCCTGCACCTACCCCTGCCGCGCCCCCGCCTCCCT
CTTCTGCCTCCCCTCCTCAGAATGCCAGCAACAACCCTACCCCTGCCAACGCGGCCAAGA
GCCCCCTGCTCAACTCACCCACAGTGGCCAAACAAATCTTCCCCTGGATGAAAGAGTCTC
GACAAAACACANAGCAGAAAACCAGCAGCTCCAGCTCAGGCGAAAGCTGCGCTGGCGACN
AGAGCCCGCCGGGGCAGGCTTCGTCCAAGCGCGCGCGCACGGGCTA

Restriction Sites: NotI-NotI

ACCN: NM_030661

Insert Size: 3300 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_030661.3, NP_109377.1
RefSeq Size:	3258 bp
RefSeq ORF:	1332 bp
Locus ID:	3200
UniProt ID:	O43365
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. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) encodes the longer isoform (a). Variants 1 and 2 both encode isoform a.