

Product datasheet for **SC116451**

MEOX 2 (MEOX2) (NM_005924) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEOX 2 (MEOX2) (NM_005924) Human Untagged Clone
Tag:	Tag Free
Symbol:	MEOX 2
Synonyms:	GAX; MOX2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005924, the custom clone sequence may differ by one or more nucleotides

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ATGGAACACCCGCTCTTTGGCTGCCTGCGCAGCCCTCACGCCACGGCGCAAGGCTTGCACCCGTTCTCCC  
AATCCTCTCTCGCCCTCCATGGAAGATCTGACCATATGTCTTACCCCGAGCTCTCTACTTCTTCCTCATC  
TTGCATAATCGCGGGATACCCCAACGAAGAGGGCATGTTTGCCAGCCAGCATCACAGGGGGCACCACCAC  
CACCACCACCACCACCATCACCACCATCAGCAGCAGCAGCACCAGGCTCTGCAAACCACTGGCACC  
TCCCGCAGATGTCTTCCCACCGAGTGC GGCTCGGCACAGCCTCTGCCTCCAGCCCGACTCTGGAGGGCC  
CCCAGAGTTGGGAGCAGCCCGCCGCTCTGTGCTCCAACCTTCCAGCTTGGGCTCCAGCACCCCGACT  
GGGGCCGCGTGC GCGCCGGGGACTACGGCCGCCAGGCACTGTACCTGCGGAGGCGGAGAAGCGAAGCG  
GCGGCAAGAGGAAAAGCGACAGCTCAGACTCCCAGGAAGGAAATTACAAGTCAGAAGTCAACAGCAAACC  
CAGGAAAAGAAAGGACAGCATTTACCAAAGAGCAAATCAGAGAACTTGAAGCAGAATTTGCCCATCATAAT  
TATCTCACCAGACTGAGGCGATACGAGATAGCAGTGAATCTGGATCTCACTGAAAGACAGGTGAAAGTCT  
GGTTCCAAAACAGGCGGATGAAGTGGAAGAGGGTAAAGGGTGGACAGCAAGGAGCTGCGGCTCGGGAAAA  
GGAAGTGGTGAATGTGAAAAAGGGAACCTTCTCCATCAGAGCTGTGCGGAATTGGTGCAGCCACCCTC  
CAGCAAACAGGGGACTCTATAGCAAATGAAGACAGTCACGACAGTGACCACAGCTCAGAGCATGCGCACT  
TATGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005924 unedited GTCAAAATTTGTATACGACTCACTATAGGCGGCCGCGAAATTCGCACGAGGGAAGCTCTT CCAGGTCCGACTGTTTCATATGTAAGGAGACTGGCCGCTGGGGCTCAGGACCGGGATTAT CCGAGCTCTGCAGAAGTGACACCGCTATTGCTTTGGGAGGGTAAAAAAAAAATCACACG GTTCCAGTAAAAAGTGACAGAGGGTGGTGGCCTTTGGAACCGTCGTGAAGTCTCTGC CTGGAACCCGAACTTGCATGCTATGGAACACCCGCTCTTTGGCTGCCTGCGCAGCCCTC ACGCCACGGCGCAAGGCTTGCACCCGTTCTCCAATCCTCTCTCGCCCTCCATGGAAGAT CTGACATATGTCTTACCCCGAGCTCTCTACTTCTTCTCATCTTGCATAATCGCGGGAT ACCCCAACGAAGAGGGCATGTTTCCAGCCAGCATCACAGGGGGCACCACCACCACCACC ACCACCACCATCACCACCATCAGCAGCAGCAGCACCAGGCTCTGCAAACCACTGGCCCT CCGGCCAGATGTCTTCCACCCGAGTGGGCTCGGCACAGCCTCTGCCTCCAGCCGACTC TGGGAGGGCCCCAGAGATTGGGAGCAGCCGCCCGCTCTGTGCTCCAACCTTTNCCAG CTTGGGCTCCAGACCCCGACTGGGGGCCGCTGGCGCCCGGGAACTACGGCCGCCAG GCACTGTCACTTGCAGGAGCGGAGAAAGCGAAGCGGCGCAAGAAGAAAAGCGACAGCT CAGACTCCCAGAAAGGAAATTACAGTNCAGAAAGTCACAGCAAACCCAGAAAAGAAAGG ACGGCATTTACCAAGAGCAAATCAGAGAAGTGGAAAGCCGAATTTGCCATCATAATTATC TTACCAGACTGAAGCGAATACAAAATACAGTGGAACTCTGGATCTCACTGAAAACAGGTG AAAAGTCTGGTTCCAAAACAGCCGAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005924 unedited CGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTATTTACAAAGGATCAT TTATTAACACATTTTAAAAACAAAATACAAAGATAGTTGTTCTGCATGAATACATCACA TATGAAAAATAATGTGTTTTTACCGAATTTAATTTGAAGATATTCAGAATTTTGTTTTC TATCAACTTGAGCAACCAGTTTCGCTTTGCACCTTGTCTAACACTGTTGCAATCAGGAA GAAATGTTTTCTGTTAATTAATCATATTCATACAGCTAATATTTTACAGAAATAAAAT AAGACAATGTCTGCATACAAAGCTCTTCTGCAAGGTAAGTATTTGCCTATGATCCTA ATTTTTTAAGCTATAAGATAGGAAGAATTCAGGAGCTAGGTAAGTTTTATAATAACGTA TTAGCAGCAGTTGATAGTAAATGCAACATAAGATTTGTTTTGTCTGTGGTACAAGAATAT GTCCTATCAGACTCTACTGTATTTTTCTCTACTGAAACACAGGTAAGCACATACTGATTG TCTCTGGGATGACAAAATGTATAAAAAAGACAAGAACTGGCTCTGGTTGTCATTGTGAG TGCCTATTTTCATCAGCTAATATGAATGCATTGCTAAATTAGTGAAGACAGGAAAAATGAC TTAAGGGTAATATATACAGAGTTAAAATACACTTTTTATCCACTTGAGTGAATTCAGGCA CTGTGGCTNGTCAAGATAAAATGTTTCATGGGTTATTCTTGATAGCAATTTAATTTTCAG TGCNAGCANAAGCAAATACCTGGCCACTGGTATACACATGATCTCACACATCTGGAATGG TCAATGCCAGTTCATCCTCGGCATCTCACTCTGGAGCATCTTGATAAAAAACCGTCACTA GTTGCTCTTGAAGCCATTAATTTCAAGTGAAGCAAAAGCAACAATACCTGTCAGTGGCTAC GCATGACAACN</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_005924
Insert Size:	2340 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_005924.3 , NP_005915.1
RefSeq Size:	2383 bp
RefSeq ORF:	912 bp
Locus ID:	4223
UniProt ID:	P50222
Cytogenetics:	7p21.2
Domains:	homeobox
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a member of a subfamily of non-clustered, diverged, antennapedia-like homeobox-containing genes. The encoded protein may play a role in the regulation of vertebrate limb myogenesis. Mutations in the related mouse protein may be associated with craniofacial and/or skeletal abnormalities, in addition to neurovascular dysfunction observed in Alzheimer's disease. [provided by RefSeq, Jul 2008]