

Product datasheet for **SC322426**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322426
 AAAGGAGACTGGCCGCTGGGGCTCAGGACCGGGATTATCCGAGCTCTGCAGAAAGTGCACC
 GCTATTGCTTTGGGAGGGTAAAAAAAAAATCACACGGTTTCCAGTGAAAAAGTGACAG
 AGGGTGGTGGCCTTTGGAACCGTCGTGAAGTCTTCTGCCTGGAACCCGAAACTTGCATGC
 TATGGAACACCCGCTCTTTGGCTGCCTGCGCAGCCCTCACGCCACGGCGCAAGGCTTGA
 CCCGTTCTCCCAATCCTCTCTCGCCCTCCATGGAAGATCTGACCATATGTCTTACCCCGA
 GCTCTCTACTTCTCTCATCTTGCATAATCGCGGGATACCCCAACGAAGAGGGCATGTT
 TGCCAGCCAGCATCACAGGGGGCACACCACCACCACCACCACCACCACCATACCACCATCA
 GCAGCAGCAGCACCAGGCTCTGCAAACCACTGGCACCTCCCGCAGATGTCTTCCCACC
 GAGTGGGCTCGGCACAGCCTCTGCCTCCAGCCGACTCTGGAGGGCCCCAGAGTTGGG
 GAGCAGCCCGCCGCTCTGTGCTCAACTTCCAGCTTGGGCTCCAGCACCCCGACTGG
 GGCCGCTGCGCGCCGGGGACTACGGCCGCCAGGCACTGTACCTGCGGAGGCGGAGAA
 GCGAAGCGGCGCAAGAGGAAAAGCGACAGCTCAGACTCCAGGAAGGAAATTACAAGTC
 AGAAGTCAACAGCAAACCCAGGAAAGAAAGGACAGCATTACCAAAGAGCAAATCAGAGA
 ACTTGAAGCAGAAATTTGCCATCATAATTATCTACCAGACTGAGCGATACGAGATAGC
 AGTGAATCTGGATCTCACTGAAAGACAGGTGAAAGTCTGGTTCCAAAACAGGCGGATGAA
 GTGGAAGAGGGTAAAGGGTGGACAGCAAGGAGCTGCGGCTCGGGAAAAGGAACTGGTGAA
 TGTGAAAAGGGAACACTTCTCCATCAGAGCTGTGCGGAATTGGTGCAGCCACCCTCCA
 GCAAAACAGGGACTCTATAGCAAATGAAGACAGTCACGACAGTGACCACAGCTCAGAGCA
 TGCGCACTTATGATATAAACAGAGGACCAGCTCCATTCTCAGGAAAGAAATGTTGTGATG
 GCAAGCCTTACCAAATATCGTTTACACAGAGAGATGACTATGGCAGTGATGTTTAAAT
 TATTAATCCAGGCATTTGCAATCTGTTTTTTCATGATTTATAGAGGGTTTACACAAAGTG
 CCACTTATTAAGAGCTTCCACAGTGAAGATGGAGAAGGTGAACCTTGTCTTGAATTTCC
 AGATGTGTTTGGTCGTGCGTATGGCAGTGAGCAGGTATGTGTTTGTCTTTGCTTGCAGT
 AAAATTAATGCTATCAAGAGCAAATGAACGGTTTTTTTATTCAAGATGTCTCCAGA
 GTGAAGATGCCGAGGATGAACCTTGCATTGAACATTCCAGATGTGTGAGATCATGTGATT
 ACAGTGGCAGGTATTTGCTTTTGTGCTGCACTGAAAATTAATTTGCTATCAAGAATAAAC
 CATGAAACATTTTATCCTGAACAGCCACAGTGCCTGAATTCACCTCAAGTGGATAAAAAAGT
 GTATTTTAACTCTGTATATATTACCTTAAGTCATTTTCTGTCTTCACTAATTTAGCAA
 TGCATTATATTAGCTGATGAAAATAGGCACTCACAATGACAACCAGAGCCAGTTTCTTG
 TCTTTTTTATACATTTTGTATCCAGAGACAATCAGTATGTGCTTACCTGTGTTCAAGT
 AGAGAAAATACAGTAGAGTCTGATAGGACATATCTTGTACCACAGACAAAACAATCT
 TATGTTGCATTTACTATCAACTGCTGCTAATACGTTATTATAAACTTACCTAGCTCCTG
 AATTCTTCTATCTTATAGCTTAAAAAATTAGGATCATAGGCAAATCAGTTACCTTGCA
 GAAAGAGCTTTGTATGACAGACATTGTCTTATTTTATTCTGTAAAAATATTAGCTGTATG
 AATATGATTTAATTAACAAGAAAACATTTCTTCTGATTGACAACAGTGTAGACAAGGT
 GCAAAGCGAACTGGTTGCTCAAGTTGATAGAAAACAAAATCTGAATATCTTCAAATTA
 AATTCGGTAAAAACACATTTTTTTTTCATATGTGATGTATTATGCAGAACAACTATCTT
 TGTATTTGTTTTTAAAATGTGTTTAAATAAATGATCCTTTGTAATAAAAAAAAAAAAAA
 AAAA

Restriction Sites: Please inquire

ACCN: NM_005924

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:	NM_005924.4 , NP_005915.2
RefSeq Size:	2383 bp
RefSeq ORF:	915 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]