

Product datasheet for **SC119815**

HOXA13 (NM_000522) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | HOXA13 (NM_000522) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | HOXA13 |
| Synonyms: | HOX1; HOX1J |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for NM_000522 edited
 ACTGGGCTCTTCTCCATGCGGCTCGGGCTATGACAGCCTCCGTGCTCCTCCACCCCGCT
 GGATCGAGCCACCGTCAATGTTTCTCTACGACAACGGCGCGGCCTGGTGGCCGACGAGC
 TCAACAAGAACATGGAAGGGGCGGCGCGGCTGCAGCAGCGGCTGCAGCGGCGGCGGCTG
 CCGGGCCCGGGGCGGGGCTTCCCCACCCGCGGCTGCGGCGGCAGGGGGCACTTCT
 CGGTGGCGGCGGCGCGCCGCGCTGCGGCGGCGGCGGCAACCAGTCCCGCAACTGA
 TGGCGCACCCGCGCCCTTGGCGCCAGTAGCCGCTCCGCTACAGCAGCGCCCGGGG
 AGGCGCCCCCGTGGCTGCGCGCGCTGCTGCGCGGCTGCGCTGACAGCGCCGCGCGC
 CCGCGCGCTCGTCTCGGAGGTCCCGGCCGCGGGCCCGCGGGCGCAGAGGCCGCCA
 AGCAATGCAGCCCTGCTCGGCAGCGGCGCAGAGCTCGTGGGGCCCGCGGCTGCCCT
 ATGGTACTTCGGCAGCGGCTACTACCGTGCGCCGATGGGCCGACCCCAACGCCA
 TCAAGTCGTGCGCGCAGCCGCTCGGCCGCGCGCGCGCCCTTCGCGGACAAGTACA
 TGGATACCGCGGCCAGCTGCCGAGGAGTTCAGTCCCGCGCTAAGGAGTTCGCTTCT
 ACCACCAGGCTACGCAGCGGGCCTTACCACCACCATCAGCCATGCCTGGCTACCTGG
 ATATGCCAGTGGTCCCGGCTCGGGGGCCCGGCGAGTGCGCCACGAACCTTGGGTC
 TTCCCATGGAAAGCTACCAGCCCTGGGCGCTGCCAACGCTGGAACGGCCAAATGTACT
 GCCCAAAGAGCAGGCGCAGCCTCCCCACCTCTGGAAGTCCACTCTGCCGACGTGGTCT
 CCCATCCCTCGGATGCCAGCTCCTATAGGAGGGGAGAAAAGACGCGTGCCTTATACCA
 AGGTGCAATTAAGAAGCTTGAACGGGAATACGCCACGAATAAATTCATTAAGGACA
 AACGGAGGCGGATATCAGCCACGACGAATCTCTGAGCGGCAGGTACAACTCTGGTTCC
 AGAACAGGAGGTTAAAGAGAAAAAGTCATCAACAACTGAAAACCACTAGTTAATGGA
 TAAAAATAGAGCAAGAAGGCAACTTGAAGAAACGCTTCAAGACTCGTTGCTTTGCCAG
 ATAATGATAATAATGCTTAATAATAATTGAAGAATGGGAAAGAGAAAGACAGAGACTG
 GCATTTTCTCTCCCGAAGGAGATCTTTCTCTTTAATGGAATCTACAAGTGTAAAA
 ACTTTAAGAAAGTAAAGACTGCCAGTTCTTCCGCCAACCCCATCAGCCAGCCGTTAA
 ATGTCAAACGTCACCCCAAAATACGCAATTTAGATAAGTTACGCAGTACTGAAATC
 TTGTAAGTATTTAAGTATCGTTACATTTTAGGACTGCGTTAGATGGTAATAATCTGG
 AAGTTGGTTACAAACGCAAGAGGCCATTGTAACATCTGCTTGCCTTCTAGGTCGCCA
 TTCCCTTTCATGTTAAGCGTCTGCTCAGGTAATCTTAGTGAATTCCTACCGTTGTTG
 TACGTTCTGCAAAACATTTTATGTATAGATTTAGAGGGAAACGAGAAGTACTGAAATA
 ATGATCTTGAATATTTGCTGTGAAGGGAGAAAGGGAGAGAAAACCTTCTGAGGATCAT
 TTGTCTTGGTAGTATAGTAAAACCAACCAGCTGAACCTTTCAGGCTACAAGAGAACCCGG
 GTCGGTAATGTCTTTTTAAGAATAATTTTAATTGCTTATAACAAGCATATTTGTGGCA
 TTTGAACTATATTTACTGCTCCAATATCCGTTATTTTCAAAGGATTTTGTATCTTTTTG
 AAAATGTTTACATCATCAGATGATCCACAGAATCACTTTATGTGAGATCTCCCGAGAGT
 TTCCATCCCAACATAATGGACTTTGGTTTGAACACAATTCGTTTTTTCATTTGAATTGGC
 ATTTCCCAATATTTGCTAAACATTTGCTGGAGAAATCATTTTTCTTTTTCTTTTTTGA
 AAACCTCAGAATGAAAATTCATTTCCCTGAAATATTTAGGTGTCTATATTTATATTTTGA
 TCTATTAAGGGATTAGTATTTTCCATGTTTATTGTGTTATCAGAGTGCATTAGAAAGAT
 TAGTGATTCATCTTCACAGCACATTTTAAATCAAGCAGTATTTTCAACCAGCACATTCGT
 TTTGTTCAATTTCACTATAGAATGATATCTTGTAAATAAGGACATTCAGCACACTGTGAA
 AATGTATTTGTGCACCTGCTTTTTAAATATTTCTACCAAAAAAAAAAAAAAAAAA

Restriction Sites: NotI-NotI
ACCN: NM_000522
Insert Size: 2400 bp

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| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p> |
| OTI Annotation: | no |
| 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_000522.2 , NP_000513.2 |
| RefSeq Size: | 2485 bp |
| RefSeq ORF: | 1167 bp |
| Locus ID: | 3209 |
| UniProt ID: | P31271 |
| Cytogenetics: | 7p15.2 |
| Domains: | homeobox |
| Protein Families: | Transcription Factors |
| Gene Summary: | <p>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. Expansion of a polyalanine tract in the encoded protein can cause hand-foot-uterus syndrome, also known as hand-foot-genital syndrome. [provided by RefSeq, Jul 2008]</p> |