

Product datasheet for **SC104614**

HOPX (NM_032495) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOPX (NM_032495) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOPX
Synonyms:	CAMEO; HOD; HOP; LAGY; NECC1; OB1; SMAP31; TOTO
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032495, the custom clone sequence may differ by one or more nucleotides

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ATGCTCATTTTCCTGGGCTGTTACAGAAGAAGACTGGAAGAGCGCGCAGGGACCATGTCGGCGGAGACCG  
CGAGCGGCCCCACAGAGGACCAGGTGGAATCCTGGAGTACAACCTCAACAAGGTCGACAAGCACCCGGA  
TTCCACCACGCTGTGCCTCATCGCGGCCGAGGCAGGCCTTCCGAGGAGGAGACCCAGAAATGGTTTAAAG  
CAGCGCCTGGCAAAGTGGCGGCGCTCAGAAGGCCTGCCCTCAGAGTGCAGATCCGTCACAGACTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032495 unedited
 NATTTTGTAAACGACTCACTATAGGGCGGCNCGGATTCCGGCACGAGGCTTCTCTCAGC
 CACATCTCTTTATCCTATCTTGGTGAAGAAGCTTGCTTGGCTAGGAGAGAGGTCAGGGA
 CGAGAAGATAGTGACGAGAAAGTTCCATGAGACTCTCAGAAGTCCCAGCCTGAACATCAA
 ACCTGAATAACCAGGAGAGACGTAACCTCGGCATACTTTCAGTGGTTTACCTCCTGCCCA
 CGCTGCAGGTTTTTCAGGTCCTTGCTCGAGTGTGTGCTCATAGGCGTAAATAAACGTGCT
 ATCAGCAGCCTGGCTCAGCCAGCCAGCTATTTAAGCAGGCTGGCATCAGCAAACACAGC
 TTCAAAACCCAGGGCTTGCCTTTGCCTTTCCACCGCGCAGGGACCATGTCGGC
 GGAGACCGCGAGCGGCCCCACAGAGGACCAGGTGAAATCCTGGAGTACAACCTCAACAA
 GGTGCGACAAGCACCCGGATTCCACCACGCTGTGCCTCATCGCGCCGAGGCAGGCCCTTTC
 CGAGGAGGAGACCAGAAATGGTTTAAGCAGCGCCTGGCAAAGTGGCGCGCTCAGAAGG
 CCTGCCCTCAGAGTGCAGATCCGTCACAGACTAAGGAGATGGCAGGCATTGACAGCTTCA
 CTCATGAAGGCCATCTCTGTTTCTCCTCCGCTTAACCAAGCTGTTGTGGTTNTTCAG
 CATAGTGTGTATGTTCCATTGCTAGCTGCTGCTGTTACACAGTGTGTATTTTTTTT
 TCTAAATGTACATAATTAGAAAAGAAAAATACCATAGGAAGCTATGTGTATCTTCTGTGN
 TAAGCAGTGGCTTCACTGAAAAAATGGTGTGGCTAGCATTTCCTTTGAGTATGATGCCAG
 ATGGTGTGAAACCATCTAGTTTGTCTTTGACATCACCTCCAGTAGCATTNGCTTTCATA
 TCATTTAGCATCAGGCCCTCTGTGAAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032495 unedited
 TCTTGGACGCGGCCCATCTAAGATCGGTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTCTTAAACAAAAGTTAAGGGTTTTATTTAAAAATATCATTTTAAAAACA
 AAAAGCAGTTCACCTTATTTACCAAAAATAAAGTTAACCAAGGCTTTTAAATATAGAAAAT
 TCAAAAACCTTTGGGGTTTTTTTTCTTAAATGCTGGCTTTTTTGGCAGTGGGAGTTTTTG
 TCTTCTGGCCCAACAGGCTTTTTTCCAAGTTAATGCAGCTATATTTCCAAGGAAGGGTTTT
 ATAAAACTGAATACTCAAAACCCCTTCTGTATTTTCACTCAACCATCATTGTATTTAA
 TGATCCATAAGGAAAGGACTTAGGGAAGTAACCTCAAAGGAAAGGGTCCCCTTCTCC
 CTCATATTATCTTTCAACAAAGCCGGGATTGCTAAAGGGATTATGAAACCAATGGCT
 ACTGGGAGGGGAGGGTCAAAGCAAACCTTAAATGGTTTCCACACCATCTGTCATCATGAC
 TAAAAGGAATTGCTACCCCAACCTTTTTAAGGGAACCCACTGCTTTACCACAGAGAT
 ACACATAGCTCCCTATGGGAATTCCCCTTTCTAACCGAGGCACATTCAAAAAAACACAC
 CCCGGGGTAAAACAGCAGGACCCCTTCCAAGGGAACCTCCACCCTTTGCCGGAACCCCA
 CACCACCTGGGTAAAGCCGGGGAAAAAAACAAAGATGCCCTTCATGAAGGAAACCGGCA
 AGGCCCGCCTTTCCCTTACCGGGGACGGGCCGGCCCTCTGAGGCAGGCCTTTGGACCCCA
 CCCTTTGCCCGCGCGGTTAAACATTTGGGGCCCCCTCCCGGAAGGCCCTCCCCCAA
 AAGCCAACGGGGGAAACCGGGCGCGGACCCTTGGAAATCCCCCAAAATCCCCGGCC
 CGGGGGCCGCCGGGCCN

Restriction Sites:

NotI-NotI

ACCN:

NM_032495

Insert Size:

1080 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_032495.4](#), [NP_115884.3](#)

RefSeq Size: 1552 bp

RefSeq ORF: 222 bp

Locus ID: 84525

UniProt ID: [Q9BPY8](#)

Cytogenetics: 4q12

Domains: homeobox

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene is a homeodomain protein that lacks certain conserved residues required for DNA binding. It was reported that choriocarcinoma cell lines and tissues failed to express this gene, which suggested the possible involvement of this gene in malignant conversion of placental trophoblasts. Studies in mice suggest that this protein may interact with serum response factor (SRF) and modulate SRF-dependent cardiac-specific gene expression and cardiac development. Multiple alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Feb 2009]
Transcript Variant: This variant (1) encodes isoform a.