

Product datasheet for **SC124255**

HOPX (NM_139211) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOPX (NM_139211) 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_139211, the custom clone sequence may differ by one or more nucleotides

[ATGTCGGCGGAGACCGCGAGCGGCCACAGAGGACCAGGTGGAATCCTGGAGTACAACCTCAACAAGGTCGACAAGCACCCGGATTCCACCACGCTGTGCCTCATCGCGGCCGAGGCAGGCCTTCCGAGGAGGAGACCCAGAAATGGTTTAAGCAGCGCCTGGCAAAGTGGCGGCGCTCAGAAGGCCTGCCCTCAGAGTGCAGATCCGTCACAGACTAA](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_139211 unedited
NNNGGGGTTCAACATTTGTNATACGACTCATATAGGCGGCCGNAATTCGCACGAGGCAGGGCTTGCCTTGCCTTTGCCTTTCCACCGCGCAGGGACCATGTCGGCGGAGACCGGAGCGGCCACAGAGGACCAGGTGGAATCCTGGAGTACAACCTCAACAAGGTCGACAAGCACCCGGATTCCACCACGCTGTGCCTCATCGCGGCCGAGGCAGGCCTTCCGAGGAGGAGACCCAGAAATGGTTTAAGCAGCGCCTGGCAAAGTGGCGGCGCTCAGAAGGCCTGCCCTCAGAGTGCAGATCCGTCACAGACTAAGGAGATGGCAGGCATTGACAGCTTCACTCCATGAAGGCCATCTCTGTTTCTCTCCTCCGCTTAACCAAGCTGTTGTGGTTTTTCAGCATAGTGTTGTATGTTCCATTGCTAGCTGTCCTGCTGTTAACACAGTGTGTATTTTTTTCTAAATGTACATAATTAGAAAAGAAAATAACAATAGGAAGCTATGTGTATCTTCTGTGTAAAGCAGTGCTTCACTGGAAAAATGGTGTGGCTAGCATTCCCTTTGAGTCATGATGACAGATGGTGTGAAAACCATCTAAGTTTGCTTTTGACCATCACCTCCCAGTAGCAATTTGCTTTCATAATCATTAGCAATCCAGGCCTCTGTTGAAAAGATAATATGANGGGAGAAGGGAAACACATTTCTTCTGAACTTACTTCCCTAAGTCACTTTCCTTATGTATCATCTAATAACAATGATGGGTTGAGTAAAAATACAGAAAGGGTGTGTTGAGTATTCAGATTTCAAAAACACTTTCTTGGGATATAGCTGCATTAACCTTGGAAAGAAGCCTGTTGGGCCAGAAGACAGAACTTCAACTGGCANNAAAGCAGCATCTTAGAAAAAACNCCAAGTNTTGAATTTACTT



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_139211 unedited NNNNCCGGTACATCTATGNNACCGCGCCGAATCTANGATCGAGTTTTTTTTTTTTTTTT TTTCAACAAAAAGTTAAGGTTTTATTTAGAAATACATTTTAGAGACAAAAAGCAGTTCAC TTTATTTAGCAAAATAAACTTAACCAATGCATTTAAATATAGTAAATCAAGAATTTGG TGGTTTTTTTTCTTAGATGCTTGCTTTTTGCCAGTTGGAGTTTCTGTCTCTGGCCAA CAGGCTCTTTCCAAGTTAATGCAGCTATATTCCAAGGAAGTGTTTATGAAATCTGAAT ACTCAAACACCCCTTCTGTATTTTCACTCAACCATCATTGTATTAGATGATACATAAGGA AAGTGACTTAGGGAAGTAAGTTCAGAAGGAAATGTGTTCCCTTCCCTCATATTATCTT TTCAACAGAGGCCTGGATTGCTAAATGGATTATGAAAGCAAATTGCTACTGGGAGGTGAT GGTCAAAGCAAACCTTAGATGGTTTTACACCATCTGTATCATGACTCAAAGGAAATG CTAGCCACACCATTTTTCCAGTGAAGCCACTGCTTACACAGAAGATACATAGCTTCC TATTGTTATTTCTTTTCTAATTATGTACATTTAGAAAAAATAACAACACTGTGTTAA CAGCAGGACAGCTAGCAATGGAACATANCACACTATGCTGAAAAACCAACAGCTGGTT AAGCGGAGGAGAAGAACAGAGATGGCCTTCATGGAGTGAAGCTGTCAATGCCTGCCATCT CCTTAGTCTGTGACGGATCTGACTCTGAGGGCAGGCCTTCTGAGCGCCGCCACTTTGCC AGGCGCTGCTTAAACCATTTCTGGTCTCCTCCTCCGA
Restriction Sites:	NotI-NotI
ACCN:	NM_139211
Insert Size:	1050 bp
OTI Disclaimer:	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.
	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
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_139211.2 , NP_631957.1
RefSeq Size:	1101 bp

RefSeq ORF: 222 bp

Locus ID: 84525

UniProt ID: Q9BPY8

Cytogenetics: 4q12

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 (2) differs in the 5' UTR, lacks a portion of the 5' coding region and uses a downstream translational start codon, compared to variant 1. The resulting isoform (b) is shorter at the N-terminus, compared to isoform a. Variants 2, 3 and 4 encode the same isoform.