

Product datasheet for **SC124256**

HOPX (NM_139212) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOPX (NM_139212) 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_139212, the custom clone sequence may differ by one or more nucleotides

[ATGTCGGCGGAGACCGCGAGCGGCCCCACAGAGGACCAGGTGGAATCCTGGAGTACAACCTCAACAAGGTCGACAAGCACCCGGATTCCACCACGCTGTGCCTCATCGCGGCCGAGGCAGGCCTTCCGAGGAGGAGACCAGAAATGGTTTAAGCAGCGCCTGGCAAAGTGGCGGCGCTCAGAAGGCCTGCCCTCAGAGTGCAGATCCGTCACAGACTAA](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_139212 unedited
 ATTTTGTAAACGACTCACTATAGGGCGGCNCGGAATTCGCACGAGGCAAACACAGCTT
 CCAAACCCAGGCTTGCCTTTGCCTTTCCACCAGGACCATGTGCGCGGA
 GACCGGAGCGGCCCCACAGAGGACCAGGTGGAATCCTGGAGTACAACCTCAACAAGGT
 CGACAAGCACCCGGATTCCACCACGCTGTGCCTCATCGCGGCCGAGGCAGGCCTTCCGA
 GGAGGAGACCCAGAAATGGTTTAAGCAGCGCCTGGCAAAGTGGCGGCGCTCAGAAGGCCT
 GCCCTCAGAGTGCAGATCCGTCACAGACTAAGGAGATGGCAGGCATTGACAGCTTCACTC
 CATGAAGGCCATCTCTGTTTCTCTCCTCCGCTTAACCAAGCTGTTGTGGTTTTTCAGCAT
 AGTGTGTATGTTCCATTGCTAGCTGTCTGCTGTTAAACACAGTGTGTATTTTTTTTC
 TAAATGTACATAATTAGAAAAGAAAATAACAATAGGAAGCTATGTGTATCTTCTGTGTA
 AGCAGTGGCTTCACTGGAAAAATGGTGTGGCTAGCATTCCCTTTGAGTCATGATGACAG
 ATGGTGTGAAAACCATCTAAGTTTGCTTTTGACCATCACCTCCCAGTAGCAATTTGCTTT
 CATAATCCATTTAGCAATCCAGGCCTCTGTTGAAAAGATAATATGAGGGAGAAGGGAACA
 CATTTCTTCTGAACTTACTTCCCTAAGTCACTTTCCTTATGTATCATCTAATAACAATGA
 TGGTTGAGTAAAAACAGAAGGNGTGTGAGTATTCAGATTTTCATAANACACTCCCTTG
 GNATATAGCTGCATTAACCTTNGGAAGAAGCC

Restriction Sites: NotI-NotI



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ACCN:	NM_139212
Insert Size:	1200 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:	<u>NM_139212.2</u> , <u>NP_631958.1</u>
RefSeq Size:	1116 bp
RefSeq ORF:	222 bp
Locus ID:	84525
UniProt ID:	<u>Q9BPY8</u>
Cytogenetics:	4q12
Domains:	homeobox
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) 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.</p>