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Product datasheet for SC109320

HOXC6 (NM_153693) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOXC6 (NM_153693) Human Untagged Clone
Tag:	Tag Free
Symbol:	HOXC6
Synonyms:	CP25; HHO.C8; HOX3; HOX3C
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109320 sequence for NM_153693 edited (data generated by NextGen Sequencing) ATGCTCTCAAACTGCAGACAAAACACCTTAGGACATAACACACAGACCTCAATCGCTCAG GATTTTAGTTCTGAGCAGGGCAGGACTGCGCCCCAGGACCAGAAAGCCAGTATCCAGATT TACCCCTGGATGCAGCGAATGAATTCGCACAGTGGGGTCGGCTACGGAGCGGACCGGAGG CGCGGCCGCCAGATCTACTCGCGGTACCAGACCCTGGAACTGGAGAAGGAATTTCACTTC AATCGCTACCTAACGCGGCGCCGGCGCATCGAGATCGCCAACGCGCTTTGCCTGACCGAG CGACAGATCAAAATCTGGTTCCAGAACCGCCGGATGAAGTGGAAAAAAGAATCTAATCTC ACATCCACTCTCTCGGGGGGCGGCGGAGGGGCCACCGCCGACAGCCTGGGCGGAAAAGAG GAAAAGCGGGAAGAGACAGAAGAGGAGAAGCAGAAAGAGTGA Clone variation with respect to NM_153693.3

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_153693 unedited
TCAAATTTTGTAATACGACTCACTATTAGGGCGGCCGCGAATTCGCACGAGGGGACGTCC
TCCCCACGTCGCCCTCAATTCCACCGCCTATGATCCAGTGAGGCATTTCTCGACCTATGG
AGCGGCCGTTGCCCAGAACCGGATCTACTCGACTCCCTTTTATTCGCCACAGGAGAATGT
CGTGTTCAGTTCCAGCCGGGGGCCGTATGACTATGGATCTAATTCCTTTTACCAGGAGAA
AGACATGCTCTCAAACTGCAGACAAAACACCTTAGGACATAACACACAGACCTCAATCGC
TCAGGATTTTAGTTCTGAGCAGGGCAGGACTGCGCCCCAGGACCAGAAAGCCAGTATCCA
GATTTACCCCTGGATGCAGCGAATGAATTCGCACAGTGGGGTCGGCTACGGAGCGGACCG
GAGGCGCGGCCGCCAGATCTACTCGCGGTACCAGACCCTGGAACTGGAGAAGGAATTTCA
CTTCAATCGCTACCTAACGCGGCGCCGGCGCATCGAGATCGCCAACGCGCTTTGCCTGAC
CGAGCGACAGATCAAAATCTGGTTCCAGAACCGCCGGATGAAGTGGAAAAAAGAATCTAA
TCTCACATCCACTCTCTCGGGGGGCGGCGGAGGGGCCACCGCCGACAGCCTGGGCGGAAA
AGAGGAAAAGCGGGAAGAGACAGAAGAGGAGAAGCAGAAAGAGTGACCAGGACTGGTCCC
TGCCACCCCTCTCTCCCTTTCTCCCTCGCTCCCCACCAACTCTCCCCTTATCACACACTC
TGTATTTATCACTGGCACAATTGATGTGTTTTGATTCCCTAAACAAAATANGGAGTCAAA
CGTGGACCCTGAAGTCAGCTTTGGACCCCCTNCTCACCGNACAACTNTNTTTACCACGCG
CCTNCTNCTNCTNGNTCCTTGNNTAGCTCGTCTCGCTTGCTACAGGCCTTNTNCCCGTCA
GNNNCTGGGGCTCGACCTGACTN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_153693 unedited
TTTTTTTTTTTTTTTGTAATTTTCCCTCTTTTTTTTCCTTTTTGAAATTGGAAGGAACAC
TGACGGTGCTAAACATAAATATAAATACAGAGACCACAAATACAGCTAAAAATCTTCACA
CAGAAACGGTCACAGTTTGTAAAATGCCATAATGACCCCCAGGATTCTTTAAATACAATT
TGCCTGGGCTGGGCATTTGCTGGGGCAGAGGGGCTAGGCAGGGACTGCGGGGAGGCCCTG
GGGGTTGGTGTGGGGCCAAGGCGCGCCCTCCTTGGGCCTCCGGCCCTCCCCGGCTGCCAG
GCCGGGCCCTGAGGCCCTGGAGCAGAGGCCCCAGCAGGCCCAGGGGCCGGCTCTCTGCAC
GGGGGGCGGGGGTGGGGGCGTCNNAAGAGTGGGGGAGCCAAGTCCTCACTTGGAGGGCAA
TCTGTAGAGTCTGAGTTCAGGGTCCGAGCCCCCAAGGCCTGGACGGGGAAAAGGGCCTGT
AGACAAGCCGAGAACGAGCTA

Restriction Sites: NotI-NotI

ACCN: NM_153693

Insert Size: 1430 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_153693.1, NP_710160.1

RefSeq Size:	1869 bp
RefSeq ORF:	462 bp
Locus ID:	3223
UniProt ID:	P09630
Cytogenetics:	12q13.13
Domains:	homeobox
Protein Families:	Transcription Factors
Gene Summary:	This gene belongs to the homeobox family, members of which encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene, HOXC6, is one of several HOXC genes located in a cluster on chromosome 12. Three genes, HOXC5, HOXC4 and HOXC6, share a 5' non-coding exon. Transcripts may include the shared exon spliced to the gene-specific exons, or they may include only the gene-specific exons. Alternatively spliced transcript variants encoding different isoforms have been identified for HOXC6. Transcript variant two includes the shared exon, and transcript variant one includes only gene-specific exons. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (2) uses an alternate 5' exon structure and thus differs in the 5' UTR 5' coding region. These difference cause translation initiation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus than isoform 1.