

Recombinant Human HOXC6

Cat. No. HOXC6-29380TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human HoxC6 with N terminal proprietary tag; Predicted MW 35.53 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	90 amino acids
Description	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.
Molecular Weight	35.530kDa inclusive of tags
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	PFYSPQENVVFSSSRGPYDYGNSFSYQEKDMLSNCRQNTLGHNTQTSIAQDFSSE QGRTAPQDQKASIQIYPWMQRMNSHSGVGYGADRR
Sequence Similarities	Belongs to the Antp homeobox family.Contains 1 homeobox DNA-binding domain.

GENE INFORMATION

Gene Name	HOXC6 homeobox C6 [Homo sapiens]
Official Symbol	HOXC6
Synonyms	HOXC6; homeobox C6; homeo box C6 , HOX3, HOX3C; homeobox protein Hox-C6;
Gene ID	3223
mRNA Refseq	NM_004503
Protein Refseq	NP_004494
MIM	142972
Uniprot ID	P09630
Chromosome	12q13.13

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Location**Function**

sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription corepressor activity;

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