

Recombinant Human HOXC5

Cat. No. HOXC5-29379TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human HOXC5 with N terminal proprietary tag. Predicted MW 33.11 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	68 amino acids
Description	This gene belongs to the homeobox family of genes. The homeobox genes 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, HOXC5, is one of several homeobox 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. Two alternatively spliced variants have been described for HOXC5. The transcript variant which includes the shared exon apparently doesn't encode a protein. The protein-coding transcript variant contains gene-specific exons only.
Molecular Weight	33.110kDa inclusive of tags
Form	Liquid

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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	MSSYVANSFYKQSPNIPAYNMQTCGNYGSASEVQASRYCYGGLDLSITFPPPAPSN SLHGVDMAANPR
Sequence Similarities	Belongs to the Antp homeobox family.Contains 1 homeobox DNA-binding domain.

GENE INFORMATION

Gene Name	HOXC5 homeobox C5 [Homo sapiens]
Official Symbol	HOXC5
Synonyms	HOXC5; homeobox C5; homeo box C5 , HOX3, HOX3D; homeobox protein Hox-C5;
Gene ID	3222
mRNA Refseq	NM_018953
Protein Refseq	NP_061826
MIM	142973
Uniprot ID	Q00444
Chromosome	12q13.13

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Location

Function

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

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