Recombinant Human HOXC4

Cat. No. HOXC4-28513TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human HOXC4 with N terminal proprietary tag; Predicted MW 37.18 kDa;.
Species	Human
Source	Wheat Germ
ProteinLength	105 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, HOXC4, 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 that encode the same protein have been described for HOXC4. Transcript variant one includes the shared exon, and transcript variant two includes only gene-specific exons.
Molecular Weight	37.180kDa 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	RTAYTRQQVLELEKEFHYNRYLTRRRRIEIAHSLCLSERQ IKIWFQNRRMKWKKDH RLPNTKVRSAPPAGAAPSTLSAAT PGTSEDHSQSATPPEQQRAEDITRL
Sequence Similarities	Belongs to the Antp homeobox family. Deformed subfamily.Contains 1 homeobox DNA-binding domain.

GENE INFORMATION

Gene Name	HOXC4 homeobox C4 [Homo sapiens]
Official Symbol	HOXC4
Synonyms	HOXC4; homeobox C4; homeo box C4 , HOX3, HOX3E; homeobox protein Hox-C4;
Gene ID	3221
mRNA Refseq	NM_014620
Protein Refseq	NP_055435
MIM	142974
Uniprot ID	P09017

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

Chromosome Location	12q13.13
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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