Recombinant Human HOXC8

Cat. No. HOXC8-26894TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human HOXC8 with N terminal proprietary tag, 35.53kDa.
Species	Human
Source	Wheat Germ
ProteinLength	90 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 is one of several homeobox HOXC genes located in a cluster on chromosome 12. The product of this gene may play a role in the regulation of cartilage differentiation. It could also be involved in chondrodysplasias or other cartilage disorders.
Molecular Weight	35.530kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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

Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	PGFQHASHHVQDFFHHGTSGISNSGYQQNPCSLSCHGDASKFYGYEALPRQSLYG AQQEASVVQYPDCKSSANTNSSEGQGHLNQNSSPS
Sequence Similarities	Belongs to the Antp homeobox family.Contains 1 homeobox DNA-binding domain.

GENE INFORMATION

Gene Name	HOXC8 homeobox C8 [Homo sapiens]
Official Symbol	HOXC8
Synonyms	HOXC8; homeobox C8; homeo box C8 , HOX3, HOX3A; homeobox protein Hox-C8;
Gene ID	3224
mRNA Refseq	NM_022658
Protein Refseq	NP_073149
MIM	142970
Uniprot ID	P31273
Chromosome Location	12q13.13
Function	sequence-specific DNA binding transcription factor activity; transcription regulatory region sequence-specific DNA binding;

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