

Recombinant Human HOXC4, GST-tagged

Cat. No. HOXC4-13905H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HOXC4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-264a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

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Storage Buffer

1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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; homeo box 3E; homeo box C4; homeobox protein CP19; homeobox protein Hox-3E; HOX3; cp19; HOX3E;

Gene ID

3221

mRNA Refseq

NM_014620

Protein Refseq

NP_055435

MIM

142974

UniProt ID

P09017

**Chromosome
Location**

12q13.13

Function

HMG box domain binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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