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℃. 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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