

Recombinant Human HOXC6, GST-tagged

Cat. No. HOXC6-13907H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HOXC6 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-120a.a.
Description	This gene belongs to the homeobox family, members of which 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, HOXC6, is one of several 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. Alternatively spliced transcript variants encoding different isoforms have been identified for HOXC6. Transcript variant two includes the shared exon, and transcript variant one includes only gene-specific exons.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM

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GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	HOXC6 homeobox C6 [Homo sapiens]
Official Symbol	HOXC6
Synonyms	HOXC6; homeobox C6; homeo box C6 , HOX3, HOX3C; homeobox protein Hox-C6; homeo box 3C; homeo box C6; homeo box C8 protein; homeobox protein CP25; homeobox protein HHO.C8; homeobox protein Hox-3C; CP25; HOX3; HOX3C; HHO.C8;
Gene ID	3223
mRNA Refseq	NM_004503
Protein Refseq	NP_004494
MIM	142972
UniProt ID	P09630
Chromosome Location	12q13.13
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription corepressor activity;

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