

Recombinant Human HOXC8, GST-tagged

Cat. No. HOXC8-13908H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HOXC8 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-242a.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 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.
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 GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	HOXC8 homeobox C8 [Homo sapiens]
Official Symbol	HOXC8
Synonyms	HOXC8; homeobox C8; homeo box C8 , HOX3, HOX3A; homeobox protein Hox-C8; homeo box 3A; homeo box C8; homeobox protein Hox-3A; Hox-3.1, mouse, homolog of; HOX3; HOX3A;
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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