Recombinant Full Length Human HOXC4 Protein, GST-tagged

Cat. No. HOXC4-3726HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HOXC4 full-length ORF (AAH50442, 1 a.a. - 264 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	264 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, 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. [provided by RefSeq
Molecular Mass	54.78 kDa
AA Sequence	MIMSSYLMDSNYIDPKFPPCEEYSQNSYIPEHSPEYYGRTRESGFQHHHQELYPPP

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	PPRPSYPERQYSCTSLQGPGNSRGHGPAQAGHHHPEKSQSLCEPAPLSGASASPS PAPPACSQPAPDHPSSAASKQPIVYPWMKKIHVSTVNPSYNGGEPKRSRTAYTRQQ VLELEKEFHYNRYLTRRRRIEIAHSLCLSERQIKIWFQNRRMKWKKDHRLPNTKVRS APPAGAAPSTLSAATPGTSEDHSQSATPPEQQRAEDITRL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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MIM	142974
UniProt ID	P09017

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