

Recombinant Full Length Human HOXC5 Protein, GST-tagged

Cat. No. HOXC5-3727HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HOXC5 full-length ORF (NP_061826.1, 1 a.a. - 222 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	222 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, HOXC5, 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 have been described for HOXC5. The transcript variant which includes the shared exon apparently doesn't encode a protein. The protein-coding transcript variant contains gene-specific exons only. [provided by RefSeq]
Molecular Mass	51.4 kDa
AA Sequence	MSSYVANSFYKQSPNIPAYNMQTCGNYGSASEVQASRYCYGGLDLSITFPPPAPSN

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SLHGVDMAANPRAHPDRPACSAAPGHAPGRDEAAPLNPGMYSQKAARPALEER
AKSSGEIKEEQAQTGQPAGLSQPPAPPQIYPWMTKLHMSHETDGKRSRTSYTRYQ
TLELEKEFHFNRYLTRRRRIEIANNLCLNERQIKIWFQNRRMKWKKDSKMKSKEAL

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

HOXC5 homeobox C5 [Homo sapiens]

Official Symbol

HOXC5

Synonyms

HOXC5; homeobox C5; homeo box C5 , HOX3, HOX3D; homeobox protein Hox-C5;
homeo box C5; homeobox protein CP11; homeobox protein Hox-3D; CP11; HOX3;
HOX3D;

Gene ID

3222

mRNA Refseq

NM_018953

Protein Refseq

NP_061826

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MIM	142973
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UniProt ID	Q00444
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