

Recombinant Human HOXC4 Protein, GST-tagged

Cat. No. HOXC4-4979H **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	Wheat Germ
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 PPRPSYPERQYSCTSLQGPGNSRGGHGAQAGHHHPEKSQSLCEPAPLSGASASPS

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PAPPACSQPAPDHPSSAASKQPIVYPWMKKIHVSTVNPSYNGGEPKRSRTAYTRQQ
VLELEKEFHYNRYLTRRRRIEIAHSLCLSERQIKIWFQNRMMKWKDHRPNTKVRS
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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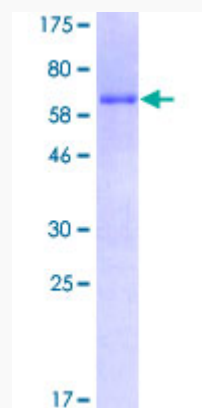
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MIM 142974

UniProt ID P09017

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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