

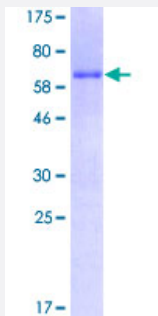
Full-Length

HOXC4 (Human) Recombinant Protein (P01)

Catalog # H00003221-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HOXC4 full-length ORF (AAH50442, 1 a.a. - 264 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MIMSSYLMDSNYIDPKFPPCEEYSQNSYIPEHSPEYYGRTRESGFQHHHQELYPPPPPRPSYPER QYSCTSLQGPGNSRGHGAQAGHHHPEKSQSLCEPAPLSGASASPSAPPACSQPAPDHPSS AASKQPIVYPWMKKIHVSTVNPSYNGGEPKRSRTAYTRQQVLELEKEFHYNRYLTRRRRIEIAHSLC LSERQIKWVFQNRMRKWKDHRPLPNTKVRSAAPPAGAAPSTLSAATPGTSEDHSQSATPPEQQRA EDITRL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	54.78
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HOXC4

Entrez GeneID [3221](#)

GeneBank Accession# [BC050442](#)

Protein Accession# [AAH50442](#)

Gene Name HOXC4

Gene Alias HOX3, HOX3E, cp19

Gene Description homeobox C4

Omim ID [142974](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

Other Designations homeo box 3E|homeo box C4

Disease

- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)