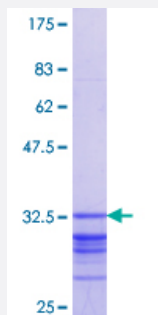


HOXC5 (Human) Recombinant Protein (Q01)

Catalog # H00003222-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HOXC5 partial ORF (NP_061826.1, 1 a.a. - 68 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSSYVANSFYKQSPNIPAYNMQTCGNYGSASEVQASRYCYGGLDLSITFPPPAPSNSLHGVDMA ANPR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	33.22
Interspecies Antigen Sequence	Mouse (100); Rat (100)
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 — HOXC5

Entrez GeneID [3222](#)

GeneBank Accession# [NM_018953](#)

Protein Accession# [NP_061826.1](#)

Gene Name HOXC5

Gene Alias CP11, HOX3, HOX3D

Gene Description homeobox C5

Omim ID [142973](#)

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, 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]

Other Designations homeo box C5|homeobox protein Hox-C5

Disease

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