

Recombinant Full Length Human HOXC6 Protein, GST-tagged

Cat. No. HOXC6-3728HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HOXC6 full-length ORF (NP_004494.1, 1 a.a. - 235 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	235 amino acids
Description	This gene belongs to the homeobox family, members of which 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, HOXC6, is one of several 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. Alternatively spliced transcript variants encoding different isoforms have been identified for HOXC6. Transcript variant two includes the shared exon, and transcript variant one includes only gene-specific exons.
Molecular Mass	53.3 kDa
AA Sequence	MNSYFTNP SLSCHLAGGQDVL P NVALNSTAYDPVRHFSTYGA AVAQNR IYSTPFYS PQENVVFSSSRGPYDYG SNSFYQE KDMLSNCRQNTLG HNTQT SIAQDFSSEQGRT

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APQDQKASIQIYPWMQRMNSHSGVGYGADRRRGRQIYSRYQTLELEKEFHFNRYL
 TRRRRIEIANALCLTERQIKIWFQNRRMKWKKESNLTSTLSGGGGGATADSLGGKEE
 KREETEEEEKQKE

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

[HOXC6 homeobox C6 \[Homo sapiens \]](#)

Official Symbol

[HOXC6](#)

Synonyms

HOXC6; homeobox C6; homeo box C6 , HOX3, HOX3C; homeobox protein Hox-C6;
 homeo box 3C; homeo box C6; homeo box C8 protein; homeobox protein CP25;
 homeobox protein HHO.C8; homeobox protein Hox-3C; CP25; HOX3; HOX3C;
 HHO.C8;

Gene ID

[3223](#)

mRNA Refseq

[NM_004503](#)

Protein Refseq

[NP_004494](#)

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MIM	142972
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UniProt ID	P09630
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