

Recombinant Human HOXC6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HOXC6-1598H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HOXC6 MS Standard C13 and N15-labeled recombinant protein (NP_004494) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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	26.7 kDa
AA Sequence	MNSYFTNP SLSCHLAGGQDVL P NVALNSTAYDPVRHFSTYGA A VAQNRIYSTPFYS PQENVVFSSSRGPYDYGSNSFYQEKDMLSNCRQNTLGHNTQTSIAQDFSSEQGRT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

APQDQKASIQIYPWMQRMNSHSGVGYGADRRRGRQIYSRYQTLELEKEFHFNRYL
 TRRRRIEIANALCLTERQIKIWFQNRMMKWKKESNLTSTLSGGGGGATADSLGGKEE
 KREETEEEEKQKETRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name HOXC6 homeobox C6 [Homo sapiens (human)]

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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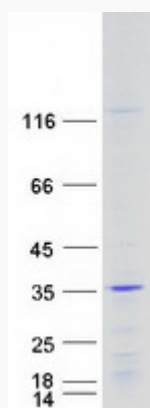
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MIM 142972

UniProt ID P09630

SDS-PAGE



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