

Recombinant Human HOXA10 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HOXA10-5973H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HOXA10 MS Standard C13 and N15-labeled recombinant protein (NP_061824) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor that may regulate gene expression, morphogenesis, and differentiation. More specifically, it may function in fertility, embryo viability, and regulation of hematopoietic lineage commitment. Alternatively spliced transcript variants have been described. Read-through transcription also exists between this gene and the downstream homeobox A9 (HOXA9) gene.
Molecular Mass	40.5 kDa
AA Sequence	MSCSESPAANSFLVDSLISGRGEAGGGGGGAGGGGGGGYYAHGGVYLPPAADL PYGLQSCGLFPTLGGRNEAASPGSGGGGGGLGPGAHGYPSPIDLWLDAPRSC RMEPPDGPPPPPQQQPPPPPQPPQPAPQATSCSFAQNIKEESSYCLYDSADKCPK VSATAAELAPFPRGPPPDGCALGTSSGVPVPGYFRLSQAYGTAKGYGSGGGGAQQ

 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

LGAGPFPAQPPGRGFDLPPALASGSADAARKERALDSPPPPTLACGSGGGGSGQDE
 EAHASSSAAEELSPAPSESSKASPEKDSLGNKGENAANWLTAKSGRKKRCPYTKH
 QTLELEKEFLFNMYLTRERRLEISRSVHLTDRQVKIWFQNRRMKLKKMNRENRIEL
 TANFNFSSGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 HOXA10 homeobox A10 [Homo sapiens (human)]

Official Symbol HOXA10

Synonyms HOXA10; homeobox A10; homeo box A10, HOX1, HOX1H; homeobox protein Hox-A10; homeo box A10; homeobox protein 1H; homeobox protein HOXA10; homeobox protein Hox-1H; homeobox protein Hox-1.8; PL; HOX1; HOX1H; HOX1.8; MGC12859;

Gene ID 3206

mRNA Refseq NM_018951

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Protein Refseq NP_061824

MIM 142957

UniProt ID P31260

SDS-PAGE



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