

Recombinant Human HOXA7 Protein, C-MYC/DDK-tagged

Cat. No. HOXA7-22H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human HOXA7 protein with a C-MYC/DDK-tag was expressed in HEK293.
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 which may regulate gene expression, morphogenesis, and differentiation. For example, the encoded protein represses the transcription of differentiation-specific genes during keratinocyte proliferation, but this repression is then overcome by differentiation signals. This gene is highly similar to the antennapedia (Antp) gene of Drosophila.
Molecular Mass	25.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	HOXA7
Official Symbol	HOXA7 homeobox A7 [Homo sapiens (human)]
Synonyms	HOXA7; homeobox A7; ANTP; HOX1; HOX1A; HOX1.1; homeobox protein Hox-A7; homeo box A7; homeobox protein HOX-1A; homeobox protein Hox 1.1
Gene ID	3204
mRNA Refseq	NM_006896
Protein Refseq	NP_008827
MIM	142950
UniProt ID	P31268

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