

# Recombinant Human HOXA9 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** HOXA9-1920H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	HOXA9 MS Standard C13 and N15-labeled recombinant protein (NP_689952) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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. This gene is highly similar to the abdominal-B (Abd-B) gene of <i>Drosophila</i> . A specific translocation event which causes a fusion between this gene and the NUP98 gene has been associated with myeloid leukemogenesis. Read-through transcription exists between this gene and the upstream homeobox A10 (HOXA10) gene.
<b>Molecular Mass</b>	30 kDa
<b>AA Sequence</b>	MATTGALGNYYVDSFLLGADADEL SVGRYAPGTLGQPPRQAATLAEHPDFSPCSF QSKATVFGASWNPVHAAGANAVPAAVYHHHHHPYVHPQAPVAAAAPDGRYMRS WLEPTPGALSFAGLPSSRPYGIKPEPLSARRGDCPTLDTHLSLTDYACGSPVDRE

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KQPSEGA FSENNAENESGGDKPPIDPNNPAANWLHARSTRKKRCPYTKHQ TLELEK  
 EFLFNMYLTRDRRYEVARLLNLTERQVKIWFQNRMMKMKKINKDRAKDETRTRPLE  
 QKLISEEDLAANDILDYKDDDDKV

**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** HOXA9 homeobox A9 [ Homo sapiens (human) ]

**Official Symbol** HOXA9

**Synonyms** HOXA9; homeobox A9; homeo box A9, HOX1, HOX1G; homeobox protein Hox-A9; homeobox protein Hox-1G; homeodomain protein HOXA9; HOX1; ABD-B; HOX1G; HOX1.7; MGC1934;

**Gene ID** 3205

**mRNA Refseq** NM\_152739

**Protein Refseq** NP\_689952

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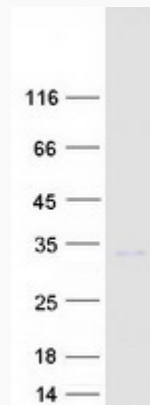
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**MIM** 142956

**UniProt ID** P31269

**SDS-PAGE**



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