

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

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

SPECIFICATION

Product Overview	HOXA9 MS Standard C13 and N15-labeled recombinant protein (NP_689952) 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 which may regulate gene expression, morphogenesis, and differentiation. This gene is highly similar to the abdominal-B (Abd-B) gene of Drosophila. 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.
Molecular Mass	30 kDa
AA Sequence	MATTGALGNYYVDSFLLGADAADELSVGRYAPGTLGQPPRQAATLAEHPDFSPCSF QSKATVFGASWNPVHAAGANAVPAAVYHHHHHPYVHPQAPVAAAAPDGRYMRS WLEPTPGALSFAGLPSSRPYGIKPEPLSARRGDCPTLDTHTLSLTDYACGSPVDRE

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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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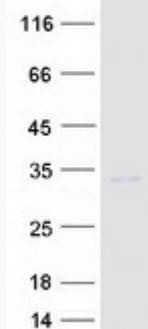
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MIM 142956

UniProt ID P31269

SDS-PAGE



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