

## Recombinant Human HOXA9 Protein, GST-tagged

**Cat. No.** HOXA9-4952H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human HOXA9 full-length ORF ( AAH06537, 1 a.a. - 272 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <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 Drosophila. A specific translocation event which causes a fusion between this gene and the NUP98 gene has been associated with myeloid leukemogenesis. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 55.66 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MATTGALGNYYVDSFLLGADADEL SVGRYAPGTLGQPPRQAATLAEHPDFSPCSF<br>QSKATVFGASWNPVHAAGANAVPAAVYHHHHHPYVHPQAPVAAAAPDGRYMRS<br>WLEPTPGALSFAGLPSSRPYGIKPEPLSARRGDCPTLDTHLSLTDYACGSPPVDRE<br>KQPSEGA FSENNAENESGGDKPIDPNPAANWLHARSTRKKRCPYTKHQ TLELEK<br>EFLFNMYLTRDRRYEVARLLNLTERQVKIWFQNRMMKMKKINKDRAKDE                                                                                                                                                                                                                                                                                                                                                                                             |

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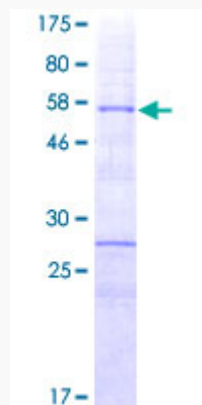
|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                 |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                            |
| <b>Storage</b>          | Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                           |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                          |
| <b>GENE INFORMATION</b> |                                                                                                                                                                   |
| <b>Gene Name</b>        | HOXA9 homeobox A9 [ Homo sapiens ]                                                                                                                                |
| <b>Official Symbol</b>  | HOXA9                                                                                                                                                             |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 3205                                                                                                                                                              |
| <b>mRNA Refseq</b>      | NM_152739                                                                                                                                                         |
| <b>Protein Refseq</b>   | NP_689952                                                                                                                                                         |
| <b>MIM</b>              | 142956                                                                                                                                                            |
| <b>UniProt ID</b>       | P31269                                                                                                                                                            |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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