

Recombinant Human HOXA9, His-tagged

Cat. No. HOXA9-174H Lot. No. (See product label)

SPECIFICATION

Product Overview	HOXA9, 1-272aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-272aa
Description	HOXA9 belongs to the Abd-B homeobox family. This protein is a transcription factor with a central role in both haemopoiesis and leukaemia. High levels of HOXA9 expression in haemopoietic cells is a characteristic feature of acute myeloid leukaemia (AML), and may be sufficient to cause this disease. Overexpression of Hoxa 9 markedly expands hematopoietic stem cells. Recombinant human HOXA9 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	32.6 kDa (295aa)
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMATTGAL GNYYVDSFLL GADAADELSV GRYAPGTLGQ PPRQAATLAE HPDFSPCSFQ SKATVFGASW NPVHAAGANA VPAAVYHHHH HHPYVHPQAP VAAAAPDGRY MRSWLEPTPG ALSFAGLPSS RPYGIKPEPL SARRGDCPTL DHTLSLTDY ACGSPPVDRE KQPSEGAFSE NNAENESGGD KPPIDPNNPA ANWLHARSTR KKRCPTYKHQ TLELEKEFLF NMYLTRDRRY EVARLLNLTE RQVKIWFQNR RMKMKKINKD RAKDE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	HOXA9 homeobox A9 [Homo sapiens]
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
MIM	142956
UniProt ID	P31269
Chromosome Location	7p15.2
Pathway	TGF-beta Receptor Signaling Pathway, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in

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cancer, conserved biosystem;

Function

protein binding; sequence-specific DNA binding; sequence-specific DNA binding
transcription factor activity;

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