9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HOXA9 Human

Homeobox A9 Human Recombinant
RCP1049

Product Overview

Name	HOXA9 Human
Description	
Homeobox A9 Human Recombinant	
Accession (Primary)	P31269
Synonyms	
Homeobox A9, HOX1G, Homeobox Protein Hox-1G, Homeodomain Protein HOXA9, Homeobox Protein Hox-A9, Homeo Box A9, HOX1.7, ABD-B, HOX1, HOXA9.	
Introduction	
Homeobox A9 (HOXA9) is a member of the Abd-B homeobox family. The HOXA9 protein is a transcription factor with a key role in both haemopoiesis and leukaemia. High levels of HOXA9 expression in haemopoietic cells is a distinctive feature of acute myeloid leukaemia (AML), and may be sufficient to cause this disease. HOXA9 overexpression noticeably expands hematopoietic stem cells. The HOXA9 gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which regulates gene expression, morphogenesis, and differentiation. HOXA9 is a sequence-specific transcription factor which is part of a developmental regulatory system, which provides cells with specific positional identities on the anterior-posterior axis. HOXA9 is essential for induction of E-selectin and VCAM-1, on the endothelial cells surface at sites of inflammation.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The HOXA9 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	

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MGSSHHHHHH SSGLVPRGSH MGS MATTGAL GNYYVDSFLL GADAADELSV GRYAPGTLGQ PPRQAATLAE HPDFSPCSFQ SKATVFGASW NPVHAAGANA VPAAVYHHHH HHPYVHPQAP VAAAAPDGRY MRSWLEPTPG ALSFAGLPSS RPYGIKPEPL SARRGDCPTL DTHTLSLTDY ACGSPPVDRE KQPSEGAFSE NNAENESGGD KPPIDPNNPA ANWLHARSTR KKRCPYTKHQ TLELEKEFLF NMYLTRDRRY EVARLLNLTE RQVKIWFQNR RMKMKKINKD RAKDE.

Precautions

HOXA9 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P31269)