

32-3989: HOXA9 Recombinant Protein

Alternative Name : Homeobox A9,HOX1G,Homeobox Protein Hox-1G,Homeodomain Protein HOXA9,Homeobox Protein Hox-A9,Homeo Box A9,HOX1.7,ABD-B,HOX1,HOXA9.

Description

Source : Escherichia Coli. HOXA9 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 295 amino acids (1-272) and having a molecular mass of 32.6 kDa.HOXA9 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount : 20 µg

Purification : "Greater than 85.0% as determined by SDS-PAGE."

Content : The HOXA9 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

Storage condition : 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.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSMTTGTAL GNYYVDSFLL GADAADELSV GRYAPGTLGQ PPRQAATLAE HPDFSPCSFQ SKATVFGASW NPVHAAGANA VPAAVYHHHH HHPYVHPQAP VAAAAPDGRY MRSWLEPTPG ALSFAGLPSS RPYGIKPEPL SARRGDCPTL DTHTLSLTDY ACGSPVDRE KQPSEGAFFE NNAENESGGD KPIDPNNPA ANWLHARSTR KKRCPYTKHQ TLELEKEFLF NMYLTRDRRY EVARLLNLTE RQVKIWFQNR RMKMKKINKD RAKDE.

