

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 SGLVPRGSH MGSMATTGAL GNYYVDSFLL GADAADELSV GRYAPGTLGQ
PPRQAATLAE HPDFSPCSFQ SKATVFGASW NPVHAAGANA VPAAVYHHHH HHPYVHPQAP
VAAAAPDGRY MRSWLEPTPG ALSFAGLPSS RPYGIKPEPL SARRGDCPTL DTHTLSLTDY ACGSPPVDRE
KQPSEGA FSE NNAENESGGD KPIDPNPA ANWLHARSTR KKRCPYTKHQ TLELEKEFLF NMYLTRDRRY
EVARLLNLTE RQVKIWFQNR RMKMKKINKD RAKDE.