

**HOXA9, 1-272aa, Human, His tag, E.coli**

**Cat.NO.: TP02486**

3th Edition

**Synonyms:**Homeobox protein Hox-A9, ABD-B, HOX1, HOX1.7, HOX1

**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 Weight:**32.6 kDa (295aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMATTGALGNYYVDSFLLGADADEL SVGRYAPGTLGQPPRQAATLAEHPDF  
SPCSFQSKATVFGASWNPVHAAGANAVPAAVYHHHHHPYVHPQAPVAAAAPDGRYMRSWLEPTPGALSFAGLP  
SSRPYGIKPEPLSARRGDCPTLDTHLTLTDYACGSPVDREKQPSEGAFSENNAENESGGDKPPIDPNNPAANW  
LHARSTRKKRCPTYTKHQTLLELEKEFLFNMYLTRDRRYEVARLLNLTERQVKIWFQNRMRMKMKKINKDRAKDE

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.