

Recombinant human HOXA9 protein

Catalog Number: ATGP2667

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-272aa

UniProt No.

P31269

NCBI Accession No.

NP_689952

Alternative Names

Homeobox protein Hox-A9, ABD-B, HOX1, HOX1.7, HOX1

PRODUCT SPECIFICATION

Molecular Weight

32.6 kDa (295aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Recombinant human HOXA9 protein

Catalog Number: ATGP2667

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMATTGAL GNYYVDSFLL GADAADELSV GRYAPGTLGQ PPRQAATLAE HPDFSPCSFQ
SKATVFGASW NPVHAAGANA VPAAVYHHHH HHPYVHPQAP VAAAAPDGRY MRSWLEPTPG ALSFAGLPSS RPYGIKPEPL
SARRGDCPTL DTHTLSLTDY ACGSPVDRE KQPSEGAFFE NNAENESGGD KPPIDPNNPA ANWLHARSTR KKRCPTYKHQ
TLELEKEFLF NMYLTRDRRY EVARLLNLTE RQVKIWFQNR RMKMKKINKD RAKDE

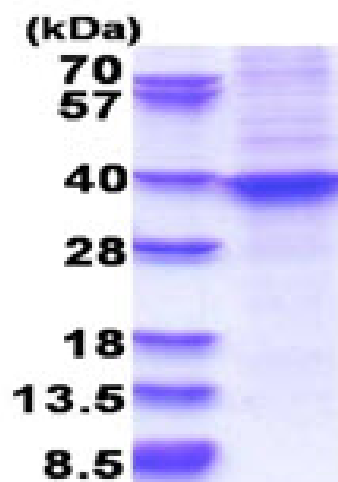
General References

Bandyopadhyay S., et al. (2012) Mol. Cell. Biol. 32:1202-1213

Patel C.V., et al. (1999) J. Biol. Chem. 274:1415-1422

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)