

### Product datasheet for AR51487PU-N

### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# HOXA9 / HOX1G (1-272, His-tag) Human Protein

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** HOXA9 / HOX1G (1-272, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** 

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSMATTGAL GNYYVDSFLL GADAADELSV GRYAPGTLGQ PPRQAATLAE HPDFSPCSFQ SKATVFGASW NPVHAAGANA VPAAVYHHHH HHPYVHPQAP

VAAAAPDGRY MRSWLEPTPG ALSFAGLPSS RPYGIKPEPL SARRGDCPTL DTHTLSLTDY
ACGSPPVDRE KOPSEGAFSE NNAENESGGD KPPIDPNNPA ANWLHARSTR KKRCPYTKHO

TLELEKEFLF NMYLTRDRRY EVARLLNLTE RQVKIWFQNR RMKMKKINKD RAKDE

Tag: His-tag
Predicted MW: 32.6 kDa
Concentration: lot specific

Purity: >85% by SDS - PAGE

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human HOXA9 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid

repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

**RefSeq:** NP 689952

 Locus ID:
 3205

 UniProt ID:
 P31269

 Cytogenetics:
 7p15.2

**Synonyms:** ABD-B; HOX1; HOX1.7; HOX1G

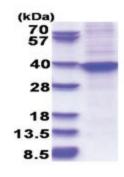




#### **Summary:**

In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. This gene is highly similar to the abdominal-B (Abd-B) gene of Drosophila. A specific translocation event which causes a fusion between this gene and the NUP98 gene has been associated with myeloid leukemogenesis. Read-through transcription exists between this gene and the upstream homeobox A10 (HOXA10) gene.[provided by RefSeq, Mar 2011]

## **Product images:**



15% SDS-PAGE (3ug)