

Product datasheet for **AR51487PU-N**

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

Product data:

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|---------------------------------------|--|
| 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 ACGSPVDRE KQPSEGA FSE NNAENESGGD KPPIDPNNPA ANWLHARSTR KKRCPTYKHQ 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 |



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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: