

Product datasheet for **AR51245PU-N**

HOXB13 (1-284, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	HOXB13 (1-284, His-tag) human protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMEPGNYA TLDGAKDIEG LLGAGGGRNL VAHSPLTSHP AAPTLMPAVN YAPLDLPGSA EPPKQCHPCP GVPQGTSPAP VPYGYFGGGY YSCRVSRSLL KPCAQAATLA AYP AETPTAG EEYPSRPT EF AFYPGYPGT Y QPMASYLDVS VVQTLGAPGE PRHDSLLPVD SYQSWALAGG WNSQMCCQGE QNPPGPFWKA AFADSSGQHP PDACAFRRGR KKRIPYSKGQ LRELEREYAA NKFITKDKRR KISAATSLSE RQITIWFQNR RVKEKKVLAK VKNSATP
Tag:	His-tag
Predicted MW:	33.1 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Preparation:	Liquid purified protein
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_006352
Locus ID:	10481
UniProt ID:	Q92826 , Q4KR72
Cytogenetics:	17q21.32
Synonyms:	Homeobox protein Hox-B13



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Summary:

This gene encodes a transcription factor that belongs to the homeobox gene family. Genes of this family are highly conserved among vertebrates and essential for vertebrate embryonic development. This gene has been implicated to play a role in fetal skin development and cutaneous regeneration. In mice, a similar gene was shown to exhibit temporal and spatial colinearity in the main body axis of the embryo, but was not expressed in the secondary axes, which suggests functions in body patterning along the axis. This gene and other HOXB genes form a gene cluster at chromosome the 17q21-22 region. [provided by RefSeq, Jul 2008]

Protein Families:

Transcription Factors

Product images: