

AR51245PU-N**Human HOXB13 (1-284, His-tag) - Purified****Alternate names:**

Homeobox protein Hox-B13

Quantity:

0.5 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

HOXB13 is 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 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. Recombinant human HOXB13 protein, fused to His-tag at N-terminus, was expressed in E.coli

Uniprot ID:[Q92826](#)**NCBI:**[NP_006352](#)**GeneID:**[10481](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >85% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea**Description:****AA Sequence:**

MGSSHHHHHH SSGLVPRGSH MGSMEPGNYA TLDGAKDIEG LLGAGGGRNL VAHSPLTSHP
AAPTLMPAVN YAPLDLPGSA EPPKQCHPCP GVPQGTSPAP VPYGYFGGGY YSCRVSRSLL
KPCAQAATLA AYP AETPTAG EEYPSRPTEF AFYPGYPGTY QPMASYLDVS VVQTLGAPGE
PRHDSLLPVD SYQSWALAGG WNSQMCCQGE QNPPGPFWKA AFADSSGQHP PDACAFRRGR
KKRIPYSKGQ LRELEREYAA NKFITKDKRR KISAATSLSE RQITIWQNR RVKEKKVLAK
VKNSATP

Molecular weight: 33.1 kDa (307aa)**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. Shelf life: one year from despatch.**General Readings:**

Zeltser L, Desplan C., et al. (1996). Development 122 (8): 247584.

Stelnicki EJ, Arbeit J., et al. (1998). J Invest Dermatol 111 (1): 5763.

Pictures:

