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## Recombinant human HOXB13 protein

Catalog Number: ATGP2425

#### PRODUCT INFORMATION

#### **Expression system**

E.coli

#### **Domain**

1-284aa

#### **UniProt No.**

092826

#### **NCBI Accession No.**

NP 006352

#### **Alternative Names**

Homeobox protein Hox-B13, Homeobox B13, PSGD

#### PRODUCT SPECIFICATION

#### **Molecular Weight**

33.1 kDa (307aa)

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

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

#### **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**

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



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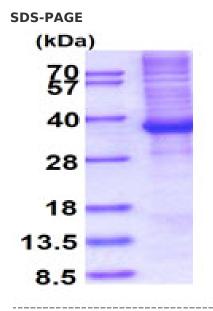
### **Amino acid Sequence**

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

#### **General References**

Zeltser L, Desplan C,. et al. (1996). Development 122 (8): 2475-84. Stelnicki EJ, Arbeit J,. et al. (1998). J Invest Dermatol 111 (1): 57-63.

### **DATA**



15% SDS-PAGE (3ug)

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

