

Recombinant human HOXB13 protein

Catalog Number: ATGP2425

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-284aa

UniProt No.

Q92826

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

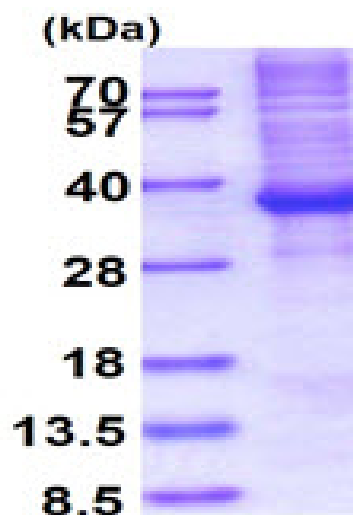
MGSSHHHHHH SSGLVPRGSH MGSMEPGNYA TLDGAKDIEG LLGAGGGRNL VAHSPLTSHP AAPTLMPAVN YAPLDLPGSA
EPPKQCHPCP GVPQGTSPAP VPYGYFGGGY YSCRVSRSSL KPCAQAATLA AYP AETPTAG EEYPSRPTEF AFYPGYPGTY
QPMASYLDVS VVQTLGAPGE PRHDSLLPVD SYQSWALAGG WNSQMCCQGE QNPPGPFWKA AFADSSGQHP
PDACAFRRGR KKRIPIYSKGQ LRELEREYAA NKFITKDKRR KISAATSLSE 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

SDS-PAGE



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

15% SDS-PAGE (3ug)