

Recombinant human HOXB13, His-tagged

Cat. No. HOXB13-2425H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HOXB13 protein, fused to His-tag at N-terminus, was expressed in E.coli
Species	Human
Source	E.coli
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Molecular Mass	33.1kDa (307aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEPGNYA TLDGAKDIEG LLGAGGGRNL VAHSPLTSHP AAPTLMPAVN YAPLDLPESA EPPKQCHPCPGVPQGTSPAP VPYGYFGGGY YSCRVSRRSL KPCAQAATLA AYPATPTAG EEYPSRPTEF AFYPGYPGTY QPMASYLDVS VVQTLGAPGE PRHDSLLPVD SYQSWALAGG WNSQMCCQGE QNPPGPFWKA AFADSSGQHP PDACAFRRGR KKRIPIYSGKQ LRELEREYAA NKFITKDKRRKISAATSLSE RQITIWFQNR RVKEKKVLAK VKNSATP

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Purity	>85 % by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	HOXB13 homeobox B13 [Homo sapiens]
Official Symbol	HOXB13
Synonyms	HOXB13; homeobox B13; homeo box B13; homeobox protein Hox-B13; PSGD;
Gene ID	10481
mRNA Refseq	NM_006361
Protein Refseq	NP_006352
MIM	604607
UniProt ID	Q92826
Chromosome Location	17q21.32
Pathway	Regulation of Androgen receptor activity, organism-specific biosystem;

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Function

sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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