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## Product Data Sheet

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Product Name: HOXB13 Human  
 Cat. No.: GP23673  
 Batch No.: 1

### Product Data

|                     |   |                    |                         |
|---------------------|---|--------------------|-------------------------|
| Purity              | >98%  | Source             | Escherichia Coli.       |
| Physical Appearance | solid   | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | Homeobox B13; Homeobox Protein Hox-B13; PSGD.   |                    |                         |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSMEPGNYA TLDGAKDIEG LLGAGGGRNL<br>VAHSPLTSH APTLMPAVN YAPLDLPGSA EPPKQCHPCP GVPQGTSPAP<br>VPYGYFGGGY YSCRVSRSSL KPCAQAATLA AYP AETPTAG EEYPSRPTEF<br>AFYPGYPGT Y QPMASYLDVS VVQTLGAPGE PRHDSLLPVD SYQSWALAGG<br>WNSQMCCQGE QNPPGPFWKA AFADSSGQHP PDACAFRRGR KKRIPIYSKGQ<br>LRELEREYAA NKFITKDKRR KISAATSLSE RQITIWFQNR RVKEKKVLAK<br>VKNSATP |                    |                         |
| Formulation         | HOXB13 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.4M Urea and 10% glycerol.   |                    |                         |

### Introduction

HOXB13 is a transcription factor and a member of the homeobox gene family which are extremely conserved in vertebrates and vital for vertebrate embryonic development. HOXB13 is involved in fetal skin development and cutaneous regeneration. In mice, a similar gene displayed temporal and spatial colinearity in the main body axis of the embryo, however it was not expressed in the secondary axes, implying that it has a roles in body patterning along the axis.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

### Background

HOXB13 Human Recombinant produced in E.Coli is a single, non-glycosylated

**Caution: Product has not been fully validated for medical applications. For research use only.**

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polypeptide chain containing 307 amino acids (1-284 a.a) and having a molecular mass of 33.1kDa.

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