

Recombinant Human HOXB5

Cat. No. HOXB5-28512TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human HOXB5 with an N terminal proprietary tag; Predicted MWt 36.41 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	98 amino acids
Description	This gene is a member of the Antp homeobox family and encodes a nuclear protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded protein functions as a sequence-specific transcription factor that is involved in lung and gut development. Increased expression of this gene is associated with a distinct biologic subset of acute myeloid leukemia (AML) and the occurrence of bronchopulmonary sequestration (BPS) and congenital cystic adenomatoid malformation (CCAM) tissue.
Molecular Weight	36.410kDa inclusive of tags
Tissue specificity	Spinal cord.
Form	Liquid
Purity	Proprietary Purification

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	EGQTPQIFPWMRKLHISHDMTGPDGKRARTAYTRYQTLELEKEFHFNRYLTRRRRIE IAHALCLSERQIKIWFAQNRRMKWKDNLKLSMSLATAGSAF
Sequence Similarities	Belongs to the Antp homeobox family.Contains 1 homeobox DNA-binding domain.

GENE INFORMATION

Gene Name	HOXB5 homeobox B5 [Homo sapiens]
Official Symbol	HOXB5
Synonyms	HOXB5; homeobox B5; homeo box B5 , HOX2, HOX2A; homeobox protein Hox-B5;
Gene ID	3215
mRNA Refseq	NM_002147
Protein Refseq	NP_002138
MIM	142960
Uniprot ID	P09067
Chromosome Location	17q21.32

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Function

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

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