

Recombinant Human HOXB4, GST-tagged

Cat. No. HOXB4-29378TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HOXB4(1 a.a. - 60 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
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 development. Intracellular or ectopic expression of this protein expands hematopoietic stem and progenitor cells in vivo and in vitro, making it a potential candidate for therapeutic stem cell expansion.
Molecular Mass	32.34 kDa
AA Sequence	MAMSSFLINSNYVDPKFPPCEEYSQSDYLPDHSPPGYAGGQRRESSFQPEAGFG RRAAC
Applications	ELISA; WB-Re; AP; Array
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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GENE INFORMATION

Gene Name	HOXB4 homeobox B4 [Homo sapiens (human)]
Official Symbol	HOXB4
Synonyms	HOXB4; homeobox B4; homeo box B4 , HOX2, HOX2F; homeobox protein Hox-B4; homeo box 2F; homeo box B4; homeobox protein Hox-2F; homeobox protein Hox-2.6; HOX2; HOX2F; HOX-2.6
Gene ID	3214
mRNA Refseq	NM_024015
Protein Refseq	NP_076920
MIM	142965
UniProt ID	P17483
Chromosome Location	17q21.32
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity

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