Recombinant Human HOXB4, GST-tagged

Cat. No. HOXB4-13898H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HOXB4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	22-72a.a.
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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	HOXB4 homeobox B4 [Homo sapiens]

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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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