

Recombinant Human HOXB9, GST-tagged

Cat. No. HOXB9-13901H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HOXB9 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-202a.a.
Description	This gene is a member of the Abd-B homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded nuclear protein functions as a sequence-specific transcription factor that is involved in cell proliferation and differentiation. Increased expression of this gene is associated with some cases of leukemia, prostate cancer and lung cancer.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	HOXB9 homeobox B9 [Homo sapiens]
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Official Symbol	HOXB9
Synonyms	HOXB9; homeobox B9; homeo box B9 , HOX2, HOX2E; homeobox protein Hox-B9; homeo box 2E; homeo box B9; homeobox protein Hox-2E; homeobox protein Hox-2.5; HOX2; HOX2E; HOX-2.5;
Gene ID	3219
mRNA Refseq	NM_024017
Protein Refseq	NP_076922
MIM	142964
UniProt ID	P17482
Chromosome Location	17q21.32
Function	protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;