

Recombinant Human HOXB1, GST-tagged

Cat. No. HOXB1-13895H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HOXB1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-168a.a.
Description	This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXB genes located in a cluster on chromosome 17.
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	HOXB1 homeobox B1 [Homo sapiens]
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Official Symbol	HOXB1
Synonyms	HOXB1; homeobox B1; homeo box B1 , HOX2, HOX2l; homeobox protein Hox-B1; homeo box 2l; homeo box B1; homeobox protein Hox-2l; HOX2; HOX2l; Hox-2.9; MGC116843; MGC116844; MGC116845;
Gene ID	3211
mRNA Refseq	NM_002144
Protein Refseq	NP_002135
MIM	142968
UniProt ID	P14653
Chromosome Location	17q21.32
Function	DNA binding; protein domain specific binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;