

Recombinant Human HOXB6, GST-tagged

Cat. No. HOXB6-13899H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HOXB6 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-160a.a.
Description	This gene is a member of the Antp 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 protein functions as a sequence-specific transcription factor that is involved in development, including that of lung and skin, and has been localized to both the nucleus and cytoplasm. Altered expression of this gene or a change in the subcellular localization of its protein is associated with some cases of acute myeloid leukemia and colorectal 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

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Gene Name	HOXB6 homeobox B6 [Homo sapiens]
Official Symbol	HOXB6
Synonyms	HOXB6; homeobox B6; homeo box B6 , HOX2, HOX2B; homeobox protein Hox-B6; homeo box 2B; homeo box B6; homeobox protein Hu-2; homeobox protein Hox-2B; homeobox protein Hox-2.2; HOX2; HU-2; HOX2B; Hox-2.2;
Gene ID	3216
mRNA Refseq	NM_018952
Protein Refseq	NP_061825
MIM	142961
UniProt ID	P17509
Chromosome Location	17q21.32
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;