

Recombinant Human HOXB7, GST-tagged

Cat. No. HOXB7-13900H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human HOXB7 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 1-217a.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 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 melanoma and ovarian carcinoma.

Storage The protein is stored in PBS buffer at -20°C. 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 HOXB7 homeobox B7 [Homo sapiens]

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Official Symbol	HOXB7
Synonyms	HOXB7; homeobox B7; homeo box B7 , HOX2, HOX2C; homeobox protein Hox-B7; homeo box 2C; homeo box B7; homeo box c1 protein; homeobox protein HHO.C1; homeobox protein Hox-2C; HOX2; HOX2C; HHO.C1; Hox-2.3;
Gene ID	3217
mRNA Refseq	NM_004502
Protein Refseq	NP_004493
MIM	142962
UniProt ID	P09629
Chromosome Location	17q21.32
Function	protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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