

# Recombinant Human HOXB7, GST-tagged

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Product Overview</b> | Recombinant Human HOXB7 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 1-217a.a.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.                                                                                                                                                                                                                                                                      |

## GENE INFORMATION

|                  |                                    |
|------------------|------------------------------------|
| <b>Gene Name</b> | HOXB7 homeobox B7 [ Homo sapiens ] |
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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | HOXB7                                                                                                                                                                                                      |
| <b>Synonyms</b>            | 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; |
| <b>Gene ID</b>             | <a href="#">3217</a>                                                                                                                                                                                       |
| <b>mRNA Refseq</b>         | <a href="#">NM_004502</a>                                                                                                                                                                                  |
| <b>Protein Refseq</b>      | <a href="#">NP_004493</a>                                                                                                                                                                                  |
| <b>MIM</b>                 | <a href="#">142962</a>                                                                                                                                                                                     |
| <b>UniProt ID</b>          | <a href="#">P09629</a>                                                                                                                                                                                     |
| <b>Chromosome Location</b> | 17q21.32                                                                                                                                                                                                   |
| <b>Function</b>            | protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;                                                                                               |