

# Recombinant Full Length Human HOXB2 Protein, GST-tagged

**Cat. No.** HOXB2-3716HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | Human HOXB2 full-length ORF ( ABZ92010.1, 1 a.a. - 356 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 356 amino acids                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | This gene is a member of the Antp homeobox family and encodes a nuclear 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. Increased expression of this gene is associated with pancreatic cancer. [provided by RefSeq |
| <b>Molecular Mass</b>   | 39.2 kDa                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MNFEFEREIGFINSQPSLAECLETSFPAVLETFQTSSIKESTLIPPPPPFEQTFPSLQPG<br>ASTLQRPRSQKRAEDGPALPPPPPPPLPAAPPAPEFPWMKEKKSAAKPSQSATSPS<br>PAASAVPASGVGSPADGLGLPEAGGGGARRLRRTAYTNTQLLELEKEFHFNKYLCRP<br>RRVEIAALLDLTERQVKVWFQNRMRMKHKRQTQHREPPDGEPACPGALEDICDPAEE<br>PAASPGGPSASRAAWEACCHPPEVVPGLSADPRPLAVRLEGAGASSPGCALRGA<br>GGLEPGPLPEDVFSGRQDSPFLPDLNFFAADSCLQLSGGLSPSLQGS�DSPVPFSE<br>EELDFFTSTLCAIDLQFP       |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-----------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.                                            |
| <b>Storage</b>        | Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.                                           |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                          |

## GENE INFORMATION

|                        |                                                                                                                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | HOXB2 homeobox B2 [ Homo sapiens ]                                                                                                                                                                 |
| <b>Official Symbol</b> | HOXB2                                                                                                                                                                                              |
| <b>Synonyms</b>        | HOXB2; homeobox B2; homeo box B2 , HOX2, HOX2H; homeobox protein Hox-B2; homeo box 2H; homeo box B2; K8 home protein; homeobox protein Hox-2H; homeobox protein Hox-2.8; K8; HOX2; HOX2H; Hox-2.8; |
| <b>Gene ID</b>         | 3212                                                                                                                                                                                               |
| <b>mRNA Refseq</b>     | NM_002145                                                                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_002136                                                                                                                                                                                          |
| <b>MIM</b>             | 142967                                                                                                                                                                                             |
| <b>UniProt ID</b>      | P14652                                                                                                                                                                                             |

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