



# Recombinant Human Homeobox protein Hox-B5 (HOXB5)

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| <b>Product Code</b>      | CSB-YP010665HU   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P09067   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | MSSYFVNSFS GRYPNGPDYQ LLNYGSGSSL SGSYRDPAAM<br>HTGSYGYNYN GMDLSVNRSS ASSSHFGAVG ESSRAFPAPA<br>QEPRFRQAAS SCSLSSPESL PCTNGDSHGA KPSASSPSDQ ATSASSSANF<br>TEIDEASASS EPEEAASQLS SPLSARAQPE PMATSTAAPE GQTPQIFPWM<br>RKLHISHDMT GPDGKRARTA YTRYQTLELE KEFHFNRYLT RRRRIEIAHA<br>LCLSERQIKI WFQNRRMKWK KDNKLKMSML ATAGSAFQP   |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | HOXB5  |
| <b>Protein Names</b>     | Recommended name: Homeobox protein Hox-B5 Alternative name(s):<br>Homeobox protein HHO.C10 Homeobox protein Hox-2A Homeobox protein<br>Hu-1  |
| <b>Expression Region</b> | 1-269  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full length protein  |
| <b>Target Details</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 lung and gut development. Increased expression of this gene is associated with a distinct biologic subset of acute myeloid leukemia (AML) and the occurrence of bronchopulmonary sequestration (BPS) and congenital cystic adenomatoid malformation (CCAM) tissue. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.  |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.   |



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.