# Recombinant Human Homeobox protein Hox-B5 (HOXB5)

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| **Product Code** | CSB-BP010665HU |
| **Storage** | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| **Uniprot No.** | P09067 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Homo sapiens (Human) |
| **Purity** | ≥85% (SDS-PAGE) |
| **Sequence** | MSSYFVNSFS GRYPNGPDYQ LLNYGSGSSL SGSYRDPAAM HTGSYGYNYN GMDLSVNRSS ASSSHFGAVG ESSRAFPAPA QEPRFRQAAS SCSLSSPESL PCTNGDSHGA KPSASSPSDQ ATSASSSANF TEIDEASASS EPEEAASQLS SPSLARAQPE PMATSTAAPE GQTPQIFPWM RKLHISHDMT GPDGKRARTA YTRYQTLELE KEFHFNRYLT RRRRIEIAHA LCLSERQIKI WFQNRRMKWK KDNKLKSMSL ATAGSAFQP |
| **Source** | Baculovirus |
| **Target Names** | HOXB5 |
| **Protein Names** | Recommended name: Homeobox protein Hox-B5 Alternative name(s): Homeobox protein HHO.C10 Homeobox protein Hox-2A Homeobox protein Hu-1 |
| **Expression Region** | 1-269 |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | Tag type will be determined during the manufacturing process. |
| **Protein Length** | Full length protein |
| **Target Details** | 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. |
| **Reconstitution** | 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. |
| **Shelf Life** | 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.