



Recombinant Human Homeobox protein Hox-B5 (HOXB5)

Product Code	CSB-EP010665HU-B
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 SPLSLARAQPE PMATSTAAPE GQTPQIFPWM RKLHISHDMT GPDGKRARTA YTRYQTLELE KEFHFNRYLT RRRRIEIAHA LCLSERQIKI WFQNRRMKWK KDNKLKMSML ATAGSAFQP
Source	E.coli
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.