



Recombinant Human Homeobox protein Hox-B8 (HOXB8)

Product Code	CSB-MP010668HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P17481
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MSSYFVNSLF SKYKTGESLR PNYDYGFAQ DLGGRPTVVY GPSSGGSFQH PSQIQEFYHG PSSLSTAPYQ QNPCAVACHG DPGNFYGYDP LQRQSLFGAQ DPDLVQYADC KLAAASGLGE EAEGSEQSPS PTQLFPWMRP QAAAGRRRGR QTYSRYQTLE LEKEFLFPY LTRKRRIEVS HALGLTERQV KIWFQNRMRK WKKENKDKF PSSKCEQEEL EKQKLERAPE AADEGDAQKG DKK
Source	Mammalian cell
Target Names	HOXB8
Protein Names	Recommended name: Homeobox protein Hox-B8 Alternative name(s): Homeobox protein Hox-2.4 Homeobox protein Hox-2D
Expression Region	1-243
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 development. Increased expression of this gene is associated with colorectal cancer. Mice that have had the murine ortholog of this gene knocked out exhibit an excessive pathologic grooming behavior. This behavior is similar to the behavior of humans suffering from the obsessive-compulsive spectrum disorder trichotillomania.
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.