



Recombinant Human Homeobox protein Hox-C11 (HOXC11)

Product Code	CSB-EP010672HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43248
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MFNSVNLGNF CSPSRKERGA DFGERGSCAS NLYLPSTCTYY MPEFSTVSSF LPQAPSRQIS YPYSAQVPPV REVSYGLEPS GKWHHRNSYS SCYAAADELM HRECLPPSTV TEILMKNEGS YGGHHHPSAP HATPAGFYSS VNKNVLPQA FDRFFDNAYC GGGDPPAIEPP CSGKGEAKGE PEAPPASGLA SRAEAGAEAE AEEENTNPSS SGSAAHVAKA PAKGAAPNAP RTRKKRCPYS KQIRELERE FFFNVYINKE KRLQLSRMLN LTDRQVKIWF QNRRMKEKKL SRDRLQYFSG NPLL
Source	E.coli
Target Names	HOXC11
Protein Names	Recommended name: Homeobox protein Hox-C11 Alternative name(s): Homeobox protein Hox-3H
Expression Region	1-304
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 belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXC genes located in a cluster on chromosome 12. The product of this gene binds to a promoter element of the lactase-phlorizin hydrolase. It also may play a role in early intestinal development. An alternatively spliced variant encoding a shorter isoform has been described but its full-length nature has not been determined.
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.