Recombinant Human Homeobox protein Hox-D8 (HOXD8)

Product Code	CSB-YP010688HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P13378
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MSSYFVNPLY SKYKAAAAAA AAAGEAINPT YYDCHFAPEV GGRHAAAAAA LQLYGNSAAG FPHAPPQAHA HPHPSPPPSG TGCGGREGRG QEYFHPGGGS PAAAYQAAPP PPPHPPPPPP PPPCGGIACH GEPAKFYGYD NLQRQPIFTT QQEAELVQYP DCKSSSGNIG EDPDHLNQSS SPSQMFPWMR PQAAPGRRRG RQTYSRFQTL ELEKEFLFNP YLTRKRRIEV SHALALTERQ VKIWFQNRRM KWKKENNKDK FPVSRQEVKD GETKKEAQEL EEDRAEGLTN
Source	Yeast
Target Names	HOXD8
Protein Names	Recommended name: Homeobox protein Hox-D8 Alternative name(s): Homeobox protein Hox-4E Homeobox protein Hox-5.4
Expression Region	1-290
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, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located in a cluster on chromosome 2. Deletions that remove the entire HOXD gene cluster or the 5 end of this cluster have been associated with severe limb and genital abnormalities. In addition to effects during embryogenesis, this particular gene may also play a role in adult urogenital tract function.
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.