Recombinant Human Homeobox protein Hox-A7 (HOXA7)

Product Code	CSB-YP010657HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P31268
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MSSSYYVNAL FSKYTAGASL FQNAEPTSCS FAPNSQRSGY GAGAGAFAST VPGLYNVNSP LYQSPFASGY GLGADAYGNL PCASYDQNIP GLCSDLAKGA CDKTDEGALH GAAEANFRIY PWMRSSGPDR KRGRQTYTRY QTLELEKEFH FNRYLTRRRR IEIAHALCLT ERQIKIWFQN RRMKWKKEHK DEGPTAAAAP EGAVPSAAAT AAADKADEED DDEEEEDEEE
Source	Yeast
Target Names	HOXA7
Protein Names	Recommended name: Homeobox protein Hox-A7 Alternative name(s): Homeobox protein Hox 1.1 Homeobox protein Hox-1A
Expression Region	1-230
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	In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. For example, the encoded protein represses the transcription of differentiation-specific genes during keratinocyte proliferation, but this repression is then overcome by differentiation signals. This gene is highly similar to the antennapedia (Antp) gene of Drosophila.
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.