Recombinant Human Homeobox protein Hox-A2 (HOXA2)

Product Code	CSB-EP010652HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43364
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MNYEFEREIG FINSQPSLAE CLTSFPPVAD TFQSSSIKTS TLSHSTLIPP PFEQTIPSLN PGSHPRHGAG GRPKPSPAGS RGSPVPAGAL QPPEYPWMKE KKAAKKTALL PAAAAAATAA ATGPACLSHK ESLEIADGSG GGSRRLRTAY TNTQLLELEK EFHFNKYLCR PRRVEIAALL DLTERQVKVW FQNRRMKHKR QTQCKENQNS EGKCKSLEDS EKVEEDEEEK TLFEQALSVS GALLEREGYT FQQNALSQQQ APNGHNGDSQ SFPVSPLTSN EKNLKHFQHQ SPTVPNCLST MGQNCGAGLN NDSPEALEVP SLQDFSVFST DSCLQLSDAV SPSLPGSLDS PVDISADSLD FFTDTLTTID LQHLNY
Source	E.coli
Target Names	HOXA2
Protein Names	Recommended name: Homeobox protein Hox-A2 Alternative name(s): Homeobox protein Hox-1K
Expression Region	1-376
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. The encoded protein may be involved in the placement of hindbrain segments in the proper location along the anterior-posterior axis during development.
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.