



Recombinant Human Homeobox protein Hox-A2 (HOXA2)

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| Product Code | CSB-BP010652HU |
| 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 KKAACKTALL PAAAAAATAA ATGPAACLSHK ESLEIADGSG GGSRRRLRTAY TNTQLLELEK EFHFNKYLKR PRRVEIAALL DLTERQVKVW FQNRMMKHKR QTQCKENQNS EGKCKSLEDS EKVEEDEEEK TLFEQALSVS GALLEREGYT FQQNALSQQQ APNGHNGDSQ SFPVSPLTSN EKNLKHFQHQ SPTVPNCLST MGQNCGAGLN NDSPEALEVP SLQDFS VFST DSCLQLSDAV SPSLPGSLDS PVDISADSLD FFTDTLTTID LQHLNY |
| Source | Baculovirus |
| 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.