# Recombinant Human Cyclic AMP-responsive element-binding protein 1 (CREB1)

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| **Product Code** | CSB-YP005947HU |
| **Storage** | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| **Uniprot No.** | P16220 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Homo sapiens (Human) |
| **Purity** | >85% (SDS-PAGE) |
| **Sequence** | MTMESGAENQ QSGDAAVTEA ENQQMTVQAQ PQIATLAQVS MPAAHATSSA PTVTLVQLPN GQTVQVHGVI QAAQPSVIQS PQVQTVQSSC KDLKRLFSGT QISTIAESED SQESVDSVTD SQKRREILSR RPSYRKILND LSSDAPGVPR IEEEKSEEET SAPAITTVTV PTPIYQTSSG QYIAITQGGA IQLANNGTDG VQGLQTLTMT NAAATQPGTT ILQYAQTTDG QQILVPSNQV VVQAASGDVQ TYQIRTAPTS TIAPGVVMAS SPALPTQPAE EAARKREVRL MKNREAAREC RRKKKEYVKC LENRVAVLEN QNKTLIEELK ALKDLYCHKS D |
| **Source** | Yeast |
| **Target Names** | CREB1 |
| **Protein Names** | Recommended name: Cyclic AMP-responsive element-binding protein 1 Short name= CREB-1 Short name= cAMP-responsive element-binding protein 1 |
| **Expression Region** | 1-341 |
| **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 encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds as a homodimer to the cAMP-responsive element, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Alternate splicing of this gene results in two transcript variants encoding different isoforms. |
| **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.<br>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.