# Recombinant Human CREB-binding protein (CREBBP), partial

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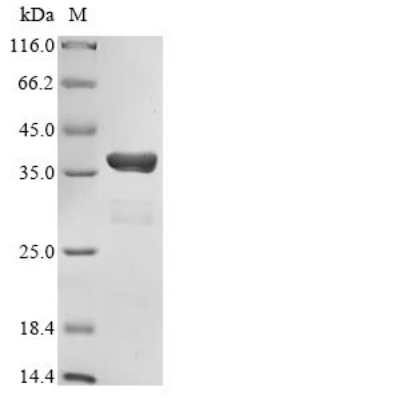
| **Product Code** | CSB-EP838805HU1 |
| **Abbreviation** | Recombinant Human CREBBP protein, partial |
| **Storage** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| **Uniprot No.** | Q92793 |
| **Form** | Liquid or Lyophilized powder |
| **Storage Buffer** | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose. |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Homo sapiens (Human) |
| **Purity** | Greater than 85% as determined by SDS-PAGE. |
| **Sequence** | RKKIFKPEELRQALMPTLEALYRQDPESLPFRQPVDPQLLGIPDYFDIVKNPMD LSTIKRKLDTGQYQEPWQYVDDVWLMFNNAWLYNRKTSRVYKFCSKLAEVFE QEIDPVMQSLG |
| **Research Area** | Cancer |
| **Source** | E.coli |
| **Target Names** | CREBBP |
| **Expression Region** | 1081-1197aa |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | N-terminal GST-tagged |
| **Mol. Weight** | 40.7 kDa |
| **Protein Length** | Partial |
| **Image** | |




(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

Amino acids 1081-1197 form the expressed segment for recombinant Human CREBBP. This CREBBP protein is theoretically predicted to have a molecular weight of 40.7 kDa. This CREBBP recombinant protein is manufactured in e.coli. The CREBBP gene fragment has been modified by fusing the N-terminal GST tag, providing convenience in detecting and purifying the recombinant CREBBP protein during the following stages.

The human CREB-binding protein (CREBBP) is a versatile transcriptional coactivator that plays a pivotal role in gene regulation. CREBBP is involved in modulating various cellular processes by interacting with a wide range of transcription factors and nuclear receptors. It serves as a histone acetyltransferase, facilitating chromatin remodeling and promoting transcriptional activation. CREBBP is essential for embryonic development and has implications for cell growth, differentiation, and apoptosis. Dysregulation or mutations in CREBBP are associated with several genetic disorders, including Rubinstein-Taybi syndrome. Ongoing research focuses on unraveling the molecular mechanisms of CREBBP function, its involvement in disease pathways, and potential therapeutic interventions targeting its activity.

## 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.