

Recombinant Human CREB Binding Protein, GST-tagged

Cat. No. CREBBP-1442H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CBP (1319-1710) was expressed in <i>E. coli</i> cells using a N-terminal GST tag. MW = 71kDa.
Species	Human
Source	E.coli
Protein Length	1319-1710 a.a.
Description	CBP or CREB-binding protein is a nuclear transcriptional coactivator protein that binds specifically to the PKA-phosphorylated form of the CREB protein. Microinjection of an anti-CBP antiserum into fibroblasts leads to inhibition of transcription from a cAMP promoter. CBP can also cooperates with upstream activators, such as JUN. When JUN is phosphorylated at the transcriptionally stimulatory sites ser73 and ser63, it binds CBP with comparable affinity to CREB. Insulin signaling may directly regulate many cAMP signaling pathways at the transcriptional level by controlling CBP recruitment. Mutant CBP can be aberrantly recruited to CREB protein, resulting in inappropriate activation of gluconeogenesis and glucose intolerance.
Sequence	1319-1710.
Applications	Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

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performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

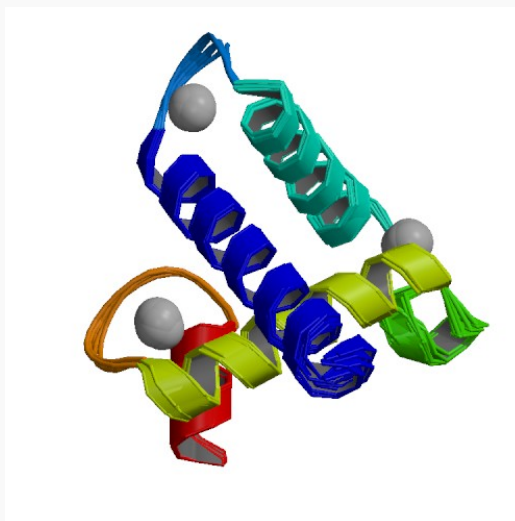
Gene Name	CREBBP CREB binding protein [Homo sapiens]
Synonyms	CREBBP; CREB binding protein; CBP; RSTS; KAT3A; Rubinstein-Taybi syndrome; RTS; CREB-binding protein
Gene ID	1387
mRNA Refseq	NM_001079846
Protein Refseq	NP_001073315
MIM	600140
UniProt ID	Q92793
Chromosome Location	16p13.3
Pathway	Adherens junction; Cell cycle; Huntington's disease; Jak-STAT signaling pathway; Long-term potentiation; Notch signaling pathway; Pathways in cancer; Prostate cancer; Renal cell carcinoma; Melanogenesis; TGF-beta signaling pathway; Wnt signaling pathway; Gene Expression; Metabolism of lipids and lipoproteins
Function	MyoD binding; SMAD binding; acetyltransferase activity; histone acetyltransferase activity; metal ion binding; p53 binding; peroxisome proliferator activated receptor binding; signal transducer activity; transcription coactivator activity; transcription coactivator activity; transcription factor activity; transferase activity; zinc ion binding

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on 1f81.



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