

## Recombinant Human CREB Binding Protein, GST-tagged

Cat. No. CREBBP-1581H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CREBBP (518-1207; contains the catalytic domain) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	518-1207 a.a.
<b>Description</b>	CREBBP has intrinsic histone acetyltransferase activity that acts as a scaffold to stabilize additional protein interactions with the transcription complex and acetylates both histone and non-histone proteins. CREBBP expressed as a nuclear protein that binds to cAMP-response element binding protein (CREB) and involved in the transcriptional coactivation of many different transcription factors. CREBBP plays a main role in embryonic development, growth control, and homeostasis by coupling chromatin remodeling to transcription factor recognition. CREBBP also plays a critical role in the transmission of inductive signals from cell surface receptors to the transcriptional apparatus.
<b>Applications</b>	Western Blot
<b>Molecular Weight</b>	140 kDa
<b>Expression System</b>	Sf9 insect cells using baculovirus

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<b>Form</b>	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.
<b>Purity</b>	> 90 %
<b>Concentration</b>	0.1 ug/ul
<b>Sequences</b>	518-1207
<b>Storage</b>	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Pathways</b>	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

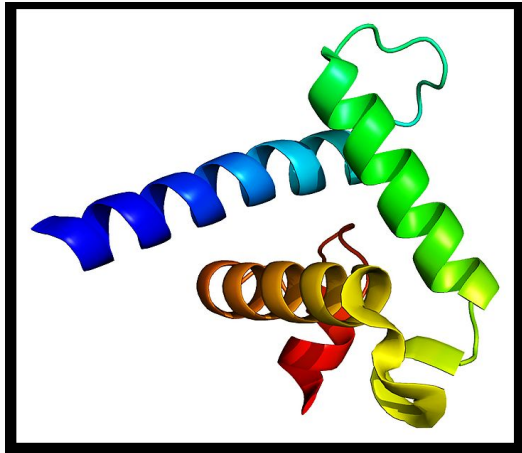
## GENE INFORMATION

<b>Gene Name</b>	CREBBP CREB binding protein [ Homo sapiens ]
<b>Official Symbol</b>	CREBBP
<b>Synonyms</b>	CREBBP; CREB binding protein; CBP; RSTS; KAT3A; Rubinstein-Taybi syndrome; RTS; CREB-binding protein; OTTHUMP00000159801; NP_001073315.1; EC 2.3.1.48; NP_004371.2
<b>Gene ID</b>	1387
<b>mRNA Refseq</b>	NM_004380

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<b>Protein Refseq</b>	NP_004371
<b>MIM</b>	600140
<b>UniProt ID</b>	Q92793
<b>Chromosome Location</b>	16p13.3
<b>Function</b>	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
<b>PDBrendering based on 1f81.</b>	

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