

Recombinant Mouse CREB Binding Protein, His-tagged

Cat. No. Crebbp-2103M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Crebbp produced in <i>SF21 cells</i> . Fused to a His-tag.
Species	Mouse
Source	Sf21 Cells
Description	First isolated as a nuclear protein that binds to cAMP-response element-binding protein (CREB), this gene is now known to play critical roles in embryonic development, growth control, and homeostasis by coupling chromatin remodeling to transcription factor recognition. The protein encoded by this gene has intrinsic histone acetyltransferase activity and also acts as a scaffold to stabilize additional protein interactions with the transcription complex.
Concentration	0.5mg/ml.
Purity	≥95% (SDS-PAGE).
Formulation	Liquid. In 50mM TRIS-HCl, pH 7.5, containing 100mM sodium chloride, 0.2% NP-40, 50-100mM imidazole and 10% glycerol.
Specific Activity	~50-100ng are required for standard HAT assay.
Term Storage	-80°C.
Handling	After opening, prepare aliquots and store in liquid nitrogen. Avoid freeze/thaw cycles.

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GENE INFORMATION

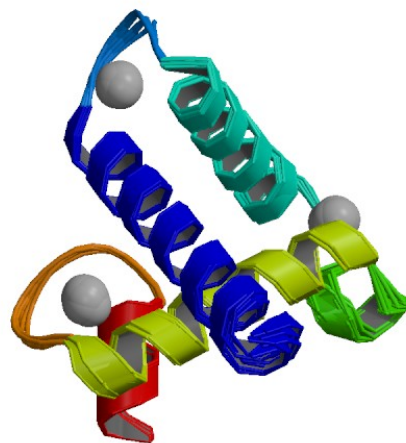
Gene Name	Crebbp CREB binding protein [Mus musculus]
Synonyms	Crebbp; CREB binding protein; CBP; RSTS; KAT3A; AW558298; CBP/p300; p300/CBP; EC 2.3.1.48; CREB - binding protein
Gene ID	12914
mRNA Refseq	NM_001025432
Protein Refseq	NP_001020603
UniProt ID	P45481.2
Chromosome Location	16 A1
Pathway	Adherens 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	DNA binding; SMAD binding; acetyltransferase activity; histone acetyltransferase activity; metal ion 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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