

Active Recombinant Mouse Crebbp, His-tagged

Cat. No. Crebbp-168M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse CREB-binding protein fused at the C-terminus to a His-tag.
Species	Mouse
Source	Sf21 Cells
Description	CREB-binding protein acetylates histones, giving a specific tag for transcriptional activation. It also acetylates non-histone proteins, like NCOA3 and FOXO1. It binds specifically to phosphorylated CREB and enhances its transcriptional activity toward cAMP-responsive genes. Acts as a coactivator of ALX1 in the presence of EP300.
Form	Liquid. In 50mM TRIS-HCl, pH 7.5, containing 100mM sodium chloride, 0.2% NP-40, 50-100mM imidazole and 10% glycerol.
Bio-activity	~50-100ng are required for standard HAT assay.
Purity	≥95% (SDS-PAGE)
Stability	Stable for at least 6 months after receipt when stored at -80°C.
Storage	Short Term Storage: -20°C; Long Term Storage: -80°C. After opening, prepare aliquots and store at -80°C. Avoid freeze/thaw cycles.
Concentration	Lot dependent (0.2-0.5mg/ml)

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GENE INFORMATION

Gene Name	Crebbp CREB binding protein [Mus musculus]
Official Symbol	Crebbp
Synonyms	CREBBP; CREB binding protein; CREB-binding protein; CBP; KAT3A; AW558298; CBP/p300; p300/CBP;
Gene ID	12914
mRNA Refseq	NM_001025432
Protein Refseq	NP_001020603
Pathway	Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Cell cycle signaling pathway, organism-specific biosystem; Developmental Biology, organism-specific biosystem;
Function	DNA binding; MyoD binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; RNA polymerase II transcription factor binding; RNA polymerase II transcription factor binding transcription factor activity involved in negative regulation of transcription; SMAD binding; acetyltransferase activity; acetyltransferase activity; activating transcription factor binding; chromatin binding; core promoter proximal region sequence-specific DNA binding; histone acetyltransferase activity; histone acetyltransferase activity; metal ion binding; p53 binding; peroxisome proliferator activated receptor binding; protein binding; contributes_to sequence-specific DNA binding transcription factor activity;

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transcription coactivator activity; transcription coactivator activity; transcription cofactor activity; transcription factor binding; transcription factor binding; transferase activity; zinc ion binding;

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