

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)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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