

CREBBP recombinant protein

Recombinant CREBBP (1075-1873) protein

CATALOG # AAA59768	HOST Baculovirus
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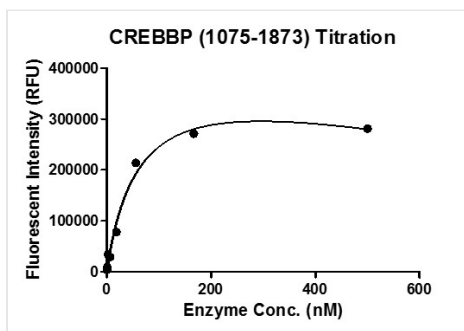
PRODUCT SYNONYMS

CREBBP; Recombinant CREBBP (1075-1873) protein; CREB Binding Protein; KAT3A; CREBBP recombinant protein

PRODUCT SPECIFICATIONS

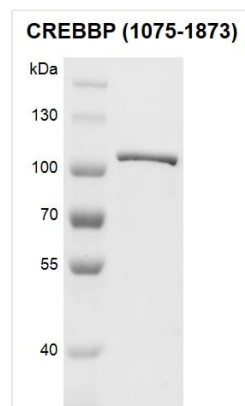
Host	Baculovirus
Form/Format	Recombinant CREBBP (1075-1873) protein is supplied in 25mM HEPES pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100, 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Notes	Recombinant CREBBP (1075-1873) protein is suitable for use in enzyme kinetics, inhibitor screening, and selectivity profiling. Assay Conditions: 0.5ug Histone H3 was incubated with 0ug (-), 0.5ug (+) CREBBP (1075-1873) in a 20ul reaction system containing 50mM Tris-HCl pH 8.0, 0.1mM EDTA, 50 ng/ul BSA, 1mM TCEP and 20uM Acetyl-CoA for 2 hours at room temperature. Half of each reaction was run on a 13% SDS-PAGE gel, and products were detected by Western blot. H3ac (pan-acetyl) antibody was used to recognize acetylated histone H3.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



WB (Western Blot)

Western blot for recombinant CREBBP (1075-1873) protein activity. 0.5 μ g Histone H3 was incubated with 0 μ g (-), 0.5 μ g (+) CREBBP (1075-1873) in 20 μ l reaction system for 2 hours at room temperature. Half of each reaction was run on a 13% SDS-PAGE gel, and products were detected by Western blot. H3ac (pan-acetyl) antibody was used to recognize acetylated histone H3.



SDS-PAGE

Recombinant CREBBP (1075-1873) protein, SDS-PAGE gel. Recombinant CREBBP protein was run on an 7.5% SDS-PAGE gel and stained with Coomassie blue MW: 94.3 kDa Purity: > 90%

ADDITIONAL INFORMATION

Related Product Information for CREBBP recombinant protein	Short Description: Recombinant CREBBP (1075-1873) includes amino acids 1075-1873 of human CREBBP protein (accession number NP_004371.2); it was expressed in a Baculovirus expression system and contains an N-terminal DYKDDDDK-Tag with a molecular weight of 94.3 kDa. Recombinant CREBBP (1075-1873) protein is suitable for use in enzyme kinetics, inhibitor screening, and selectivity profiling. Background: CREBBP (CREB Binding Protein, also known as CBP, KAT3A, RSTS) is a histone acetyltransferase (HAT) that functions primarily as a transcriptional activator. CREBBP was first isolated as a nuclear protein that specifically binds to phosphorylated cAMP-response element binding protein (CREB). It is known to play critical roles in embryonic development, growth control, and homeostasis by coupling chromatin remodeling to transcription factor recognition. It also acts as a scaffold to stabilize additional protein interactions with the transcription complex. CREBBP also acetylates non- histone proteins, like NCOA3 and FOXO1. Mutations of CREBBP cause Rubinstein-Taybi syndrome (RTS).
Product Categories/Family for CREBBP recombinant protein	Recombinant Proteins; Transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	119943104
NCBI GeneID	1387
NCBI Accession #	NP_004371.2
NCBI GenBank Nucleotide #	NM_004380.2
UniProt Accession #	Q92793; O00147; Q16376; Q4LE28; D3DUC9
Molecular Weight	260,993 Da
NCBI Official Full Name	CREB-binding protein isoform a
NCBI Official Synonym Full Names	CREB binding protein
NCBI Official Symbol	CREBBP
NCBI Official Synonym Symbols	CBP; RSTS; KAT3A
NCBI Protein Information	CREB-binding protein
UniProt Protein Name	CREB-binding protein
UniProt Gene Name	CREBBP
UniProt Synonym Gene Names	CBP
UniProt Entry Name	CBP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/crebbp-recombinant-protein-baculovirus/59768>