

KAT3A (CREBBP) recombinant protein

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CATALOG # AAA72897	HOST Sf9 insect cells	APPLICATIONS Western Blot
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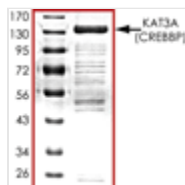
PRODUCT SYNONYMS

KAT3A (CREBBP); KAT3A (CREBBP) recombinant protein; CREBBP; CBP; KAT3A; RSTS

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Purity/Purification	>75%
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Concentration	0.1ug/ul (varies by lot)
Sequence Positions	518-1207
Sequence Length	10197
Applicable Applications for KAT3A (CREBBP) recombinant protein	WB (Western Blot)
Type	Recombinant Fusion Protein
Species	Human
Tag Information	GST tag
Expression System	Sf9 insect cells using baculovirus
Source Note	Recombinant human KAT3A (518-1207) was expressed by baculovirus in Sf9 insect cells
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	Store product at -70 degree 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. Stability: 1yr at -70 degree C from date of shipment.

IMAGES



SDS-PAGE

The purity was determined to be >75% by densitometry. Approx. MW 140kDa

ADDITIONAL INFORMATION

Related Product Information for KAT3A (CREBBP) recombinant protein	Recombinant human KAT3A (518-1207) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: KAT3A 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. KAT3A (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. KAT3A plays a main role in embryonic development, growth control, and homeostasis by coupling chromatin remodeling to transcription factor recognition (1). KAT3A also plays a critical role in the transmission of inductive signals from cell surface receptors to the transcriptional apparatus (2).
Product Categories/Family for KAT3A (CREBBP) recombinant protein	Acetyl/Methyltransferases Proteins; Signaling Proteins - Acetyl/Methyltransferase Proteins
References	1. Arias, J. et.al: Activation of cAMP and mitogen responsive genes relies on a common nuclear factor. Nature 370: 226-229, 1994. 2. Kasper, L. H. et.al: A transcription-factor-binding surface of coactivator p300 is required for haematopoiesis. Nature 419: 738-743, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119943103
NCBI GeneID	1387
NCBI Accession #	NM_004380
NCBI GenBank Nucleotide #	NM_004380
UniProt Accession #	Q92793; O00147; Q16376; Q4LE28; D3DUC9
Molecular Weight	~140 kDa
NCBI Official Full Name	Homo sapiens CREB binding protein (CREBBP), transcript variant 1, mRNA
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-sf9-insect-cells-wb-western-blot/72897>