

# Recombinant Dog Crebbp Protein, His tagged

**Cat. No.** CREBBP-01D    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b> | Recombinant Dog Crebbp Protein with His tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Dog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | <p>This gene is ubiquitously expressed and is involved in the transcriptional coactivation of many different transcription factors. 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. This protein acetylates both histone and non-histone proteins. This protein shares regions of very high sequence similarity with protein p300 in its bromodomain, cysteine-histidine-rich regions, and histone acetyltransferase domain. Mutations in this gene cause Rubinstein-Taybi syndrome (RTS). Chromosomal translocations involving this gene have been associated with acute myeloid leukemia. Alternative splicing results in multiple transcript variants encoding different isoforms.</p> |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 44 kDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | HHHHHHHHKFSAKRLQTTRLGNHLEDVRNKFLLRRQNHPEAGEVFVRVVASSDKTV<br>EVKPGMKSRFVDSGEMSESPYRTKALFAFEEIDGVDVCFFGMHVQEYGSDCPPP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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

NTRRVYISYLD SIHFFRPRCLRTAVYHEILIGYLEYVKKLGYVTGHIWACPPSEGDDYI  
 FHCHPPDQKIPKPKRLQEWYKKMLDKAFAERIIHDYKDIFKQATEDRLTSAKELPYFE  
 GDFWPNVLEESIKELEQEEEEERKKEESTAASETTEGSQGDSKNAKKNNKKTNNK  
 SSISRANKKKPSMPNVSNDL SQKLYATMEKHKEVFFVIHLHAGPVINTLPPIVDPDPL  
 LSCDLMDGRDAFLT LARDKHWEFSSLRRSKWSTLCMLVELHTQGQ

**Endotoxin** < 1 EU/μg by LAL

**Purity** > 90% by SDS-PAGE

**Storage** Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Concentration** 0.36 mg/mL by BCA

**Storage Buffer** PBS, pH 7.4, 1% SKL

## GENE INFORMATION

**Gene Name** CREBBP CREB binding protein [ *Canis lupus familiaris* ]

**Official Symbol** CREBBP

**Synonyms** CREBBP; CREB binding protein; CREB-binding protein; CREB binding protein (Rubinstein-Taybi syndrome);

**Gene ID** 479866

**mRNA Refseq** XM\_038667646

**Protein Refseq** XP\_038523574

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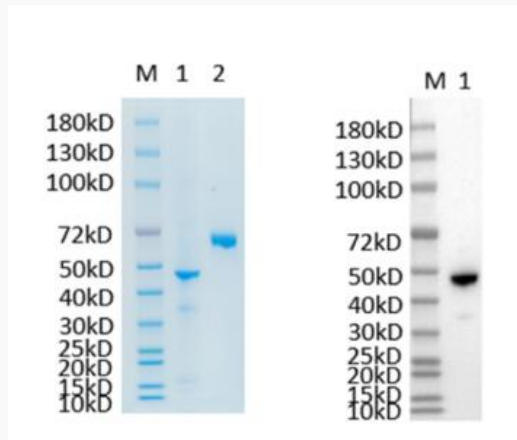
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UniProt ID

A0A8C0YZ36

Reducing 12% SDS-  
PAGE (CBB stained)  
and WB (Anti-His  
Mouse Monoclonal  
Antibody) analysis  
profile of purified  
CREBBP.



1. CREBBP
2. BSA

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