

Recombinant Dog Crebbp Protein, His tagged

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

SPECIFICATION

Product Overview	Recombinant Dog Crebbp Protein with His tag was expressed in HEK293.
Species	Dog
Source	HEK293
Description	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.
Molecular Mass	The protein has a calculated MW of 44 kDa.
AA Sequence	HHHHHHHHKFSAKRLQTTRLGNHLEDVRNKFLLRRQNHPEAGEVFVRVVASSDKTV EVKPGMKSRFVDSGEMSESPYRTKALFAFEEIDGVDVCFFGMHVQEYGSDCPPP

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NTRRVYISYLD SIHFFRPRCLRTAVYHEILIGYLEYVKKLGYVTGHIWACPPSEGDDYI
 FHCHPPDQKIPKPKRLQEWYKKMLDKAFAERIIHDYKDIFKQATEDRLTSAKELPYFE
 GDFWPNVLEESIKELEQEEEEERKKEESTAASETTEGSQGDSKNAKKNNKKTNKNK
 SSISRANKKKPSMPNVSNDL SQKLYATMEKHKEVFFVIHLHAGPVINTLPPIVDPDPL
 LSCDLM DGRDAFLT 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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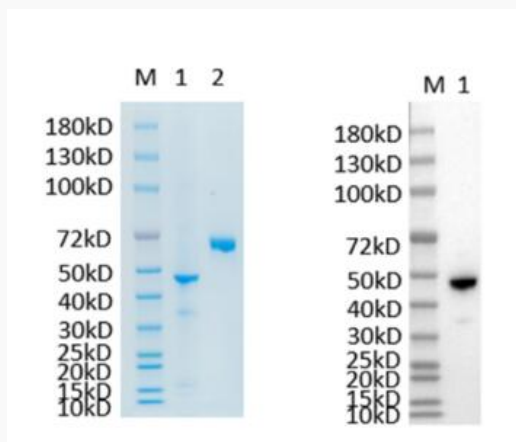
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UniProt ID

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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