Recombinant Human CREBBP Protein, GST-tagged

Cat. No. CREBBP-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CREBBP protein with N-terminal GST-tagged was expressed in E. coli.
Species	Human
Source	E.coli
Description	The acetylation of histone lysine residues plays a crucial role in the epigenetic regulation of gene transcription. Acetylated lysine residues are recognized by a small protein domain known as a bromodomain. These domains function in the linking of protein complexes to acetylated nucleosomes, thereby controlling chromatin structure and gene expression. Thus, bromodomains serve as “readers” of histone acetylation marks regulating the transcription of target promoters. The cAMP response element-binding protein (CREB) binding protein (CREBBP) bromodomain has been shown to modulate the stability and function of the tumor suppressor protein p53. CREBBP bromodomain recognizes the acetylated lysine residue 382 on p53.3,4 This product contains the bromodomain region of CREBBP.
Molecular Mass	40.8 kDa
Purity	≥91% estimated by SDS-PAGE
Storage	At -80 centigrade.
Storage Buffer	50 mM Tris, pH 7.5, containing 500 mM sodium chloride, 5% glycerol, and 5 mM β-

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	mercaptoethanol
Warning	This product is not for human or veterinary use.

GENE INFORMATION

Gene Name	CREBBP CREB binding protein [Homo sapiens (human)]
Official Symbol	CREBBP
Synonyms	cAMP-Response Element-binding Protein 1 CREB-1; CBP; CREBBP; CREB binding protein; CBP; RSTS; KAT3A; RSTS1; CREB-binding protein; EC 2.3.1.48
Gene ID	1387
mRNA Refseq	NM_001079846
Protein Refseq	NP_001073315
MIM	600140
UniProt ID	Q92793

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