

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	<p>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.</p>
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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