

Recombinant Human CREBBP Protein, GST-tagged

Cat. No. CREBBP-1852H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CREBBP partial ORF (NP_004371, 951 a.a. - 1050 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Feb 2009]
Molecular Mass	36.74 kDa

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AA Sequence	PVHAQPPGTPLSQAAASIDNRVPTPSSVASAETNSQQPGPDVPVLEMKTETQAEDT EPDPGESKGEPRSEMMEEDLQGASQVKEETDIAEQKSEPMEVDE
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CREBBP CREB binding protein [Homo sapiens]
Official Symbol	CREBBP
Synonyms	CREBBP; CREB binding protein; RSTS, Rubinstein Taybi syndrome; CREB-binding protein; CBP; KAT3A; RTS; RSTS;
Gene ID	1387
mRNA Refseq	NM_001079846
Protein Refseq	NP_001073315
MIM	600140

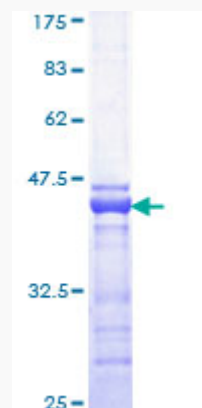
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UniProt ID

Q92793

Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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