

CREB Binding Protein bromodomain (1081-1197 aa) (GST-tagged), Human recombinant protein
CREB Binding Protein bromodomain (1081-1197 aa) (GST-tagged), Human recombinant Catalog # PBV11235r

Specification

CREB Binding Protein bromodomain (1081-1197 aa) (GST-tagged), Human recombinant protein - Product info

Primary Accession [Q92793](#)
Calculated MW **40.8 kDa (1081-1197 aa + NT GST Tag) KDa**

CREB Binding Protein bromodomain (1081-1197 aa) (GST-tagged), Human recombinant protein - Additional Info

Gene ID **1385**
Gene Symbol **CREB1**
Other Names
cAMP-responsive element-binding protein 1 CREB-1; CBP; CREBBP

Gene Source **Human**
Source **E. coli**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Target/Specificity
CREB1

Format
Liquid

Storage
-80°C; 50 mM Tris, pH 7.5, containing 500 mM sodium chloride, 5 mM β-mercaptoethanol and 5% glycerol.

CREB Binding Protein bromodomain (1081-1197 aa) (GST-tagged), Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CREB Binding Protein bromodomain (1081-1197 aa) (GST-tagged), Human recombinant

protein - Images**CREB Binding Protein bromodomain (1081-1197 aa) (GST-tagged), Human recombinant protein - Background**

The acetylation of histone lysine residues plays a crucial role in the epigenetic regulation of gene transcription. A bromodomain is a protein domain that recognizes acetylated lysine residues such as those on the N-terminal tails of histones. This recognition is often a prerequisite for protein-histone association and chromatin remodeling. 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. This product contains the bromodomain region of CREBBP.

CREB Binding Protein bromodomain (1081-1197 aa) (GST-tagged), Human recombinant protein - References

Sobulo O.M.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:8732-8737(1997).
Giles R.H.,et al.Genomics 42:96-114(1997).
Petrij F.,et al.Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.
Nakajima D.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.