

Recombinant Human CREB3 cell lysate

Cat. No. CREB3-396HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds to the cAMP-responsive element, an octameric palindrome. The protein interacts with host cell factor C1, which also associates with the herpes simplex virus (HSV) protein VP16 that induces transcription of HSV immediate-early genes. This protein and VP16 both bind to the same site on host cell factor C1. It is thought that the interaction between this protein and host cell factor C1 plays a role in the establishment of latency during HSV infection. An additional transcript variant has been identified, but its biological validity has not been determined.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	CREB3 cAMP responsive element binding protein 3 [Homo sapiens]
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Official Symbol	CREB3
Synonyms	CREB3; cAMP responsive element binding protein 3; cAMP responsive element binding protein 3 (human); cyclic AMP-responsive element-binding protein 3; Luman; LZIP; CREB-3; basic leucine zipper protein; transcription factor LZIP-alpha; cAMP-responsive element-binding protein 3; cyclic AMP response element (CRE)-binding protein/activating transcription factor 1; LUMAN; MGC15333; MGC19782;
Gene ID	10488
mRNA Refseq	NM_006368
Protein Refseq	NP_006359
MIM	606443
UniProt ID	O43889
Chromosome Location	9p13.3
Pathway	Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Cholinergic synapse, organism-specific biosystem; Cocaine addiction, organism-specific biosystem; Cocaine addiction, conserved biosystem; Dopaminergic synapse, organism-specific biosystem; Dopaminergic synapse, conserved biosystem;
Function	CCR1 chemokine receptor binding; DNA binding; cAMP response element binding protein binding; protein binding; protein dimerization activity; protein dimerization activity; protein homodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding

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transcription factor activity;

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