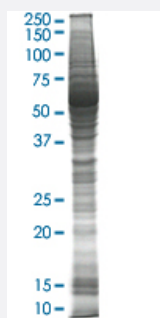


CREB1 HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

Catalog # L048T6

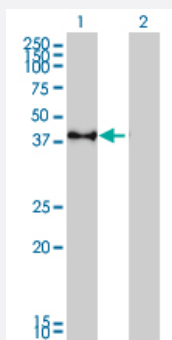
Size 100 ug

Applications



SDS-PAGE Gel

CREB1 transfected lysate



Western Blot

Lane 1: CREB1 transfected lysate (37 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-CREB1 full length
Host	Human
Theoretical MW (kDa)	37
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	1.9 mg/ml

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CREB1 antibody ([H00001385-M02](#)) by Western Blots.
SDS-PAGE Gel
CREB1 transfected lysate
Western Blot
Lane 1: CREB1 transfected lysate (37 KDa).
Lane 2: Non-transfected lysate.

Recommend Usage

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Storage Buffer

In modified RIPA Lysis Buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

Gene Info — CREB1

Entrez GeneID [1385](#)

GeneBank Accession# [BC010636](#)

Protein Accession# [AAH10636](#)

Gene Name CREB1

Gene Alias CREB, MGC9284

Gene Description cAMP responsive element binding protein 1

Omim ID [123810](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds as a homodimer to the cAMP-responsive element, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Alternate splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations

active transcription factor CREB|cAMP-response element-binding protein-1|transactivator protein

Pathway

- [Antigen processing and presentation](#)
- [Melanogenesis](#)
- [Prostate cancer](#)

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Arousal](#)
- [Asthma](#)
- [Avoidance Learning](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Choice Behavior](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)

- [Disease Models](#)
- [Dominance](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Lymphoma](#)
- [Memory](#)
- [Metabolic Syndrome X](#)
- [Mood Disorders](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Pattern Recognition](#)
- [Personality Inventory](#)
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- [Psychomotor Performance](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sleep Disorders](#)
- [Weight Gain](#)