

Recombinant Full Length Human CREB1 Protein, N-His-tagged

Cat. No. CREB1-468HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CREB1 Protein, fused to His-tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
Description	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 several transcript variants encoding different isoforms.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	35 kDa
AA Sequence	A DNA sequence encoding human full-length CREB1.
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Protein Pathways	Antigen processing and presentation, Huntington's disease, Melanogenesis, Prostate cancer
Full Length	Full L.

GENE INFORMATION

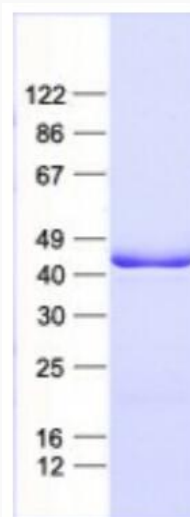
Gene Name	CREB1 cAMP responsive element binding protein 1 [Homo sapiens (human)]
Official Symbol	CREB1
Synonyms	CREB; CREB-1
Gene ID	1385
mRNA Refseq	NM_004379.5
Protein Refseq	NP_004370.1
MIM	123810
UniProt ID	P16220

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SDS-PAGE



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