

## Recombinant Human CREB1 Protein (Lys136-Asp341), His tagged

Cat. No. CREB1-1803H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CREB (Lys136-Asp341) fused with His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Lys136-Asp341
<b>Description</b>	Phosphorylation-dependent transcription factor that stimulates transcription upon binding to the DNA cAMP response element (CRE), a sequence present in many viral and cellular promoters. Transcription activation is enhanced by the TORC coactivators which act independently of Ser-133 phosphorylation. Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells.
<b>Form</b>	Lyophilized powder/frozen liquid
<b>Molecular Mass</b>	22.96 kDa
<b>Purity</b>	>90% as determined by SDS-PAGE
<b>Notes</b>	For research use only.

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<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
<b>Storage Buffer</b>	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
<b>Reconstitution</b>	Reconstitute in sterile water for a stock solution.
<b>Shipping</b>	They are shipped out with dry ice/blue ice unless customers require otherwise.

## GENE INFORMATION

<b>Gene Name</b>	CREB1 cAMP responsive element binding protein 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	CREB1
<b>Synonyms</b>	CREB1; cAMP responsive element binding protein 1; cyclic AMP-responsive element-binding protein 1; CREB-1; transactivator protein; active transcription factor CREB; cAMP-response element-binding protein-1; cAMP-responsive element-binding protein 1; CREB; MGC9284;
<b>Gene ID</b>	1385
<b>mRNA Refseq</b>	NM_004379
<b>Protein Refseq</b>	NP_004370
<b>MIM</b>	123810
<b>UniProt ID</b>	P16220

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