

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

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

SPECIFICATION

Product Overview	Recombinant human CREB (Lys136-Asp341) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Lys136-Asp341
Description	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.
Form	Lyophilized powder/frozen liquid
Molecular Mass	22.96 kDa
Purity	>90% as determined by SDS-PAGE
Notes	For research use only.

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Storage	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.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.
GENE INFORMATION	
Gene Name	CREB1 cAMP responsive element binding protein 1 [Homo sapiens (human)]
Official Symbol	CREB1
Synonyms	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;
Gene ID	1385
mRNA Refseq	NM_004379
Protein Refseq	NP_004370
MIM	123810
UniProt ID	P16220

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