

Recombinant Full Length Human CREB3 Protein, GST-tagged

Cat. No. CREB3-2261HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CREB3 full-length ORF (AAH09402.1, 1 a.a. - 371 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	371 amino acids
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-response element and regulates cell proliferation. 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. This protein also plays a role in leukocyte migration, tumor suppression, and endoplasmic reticulum stress-associated protein degradation. Additional transcript variants have been identified, but their biological validity has not been determined.[provided by RefSeq, Nov 2009]
Molecular Mass	67.8 kDa
AA Sequence	MELELDAGDQDLLAFLLEESGDLGTAPDEAVRAPLDWALPLSEVPSDWEVDDLLCS LLSPPASLNILSSSNPCLVHHDHTYSLPRETVSMDLESESCRKEGTQMTPQHMEELA

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EQEIARLVLTDEEKSLLKEGLILPETLPLTKTEEQILKRVRRKIRNKRSAQESRRKKK
 VYVGGLESRLVKYTAQNMEQLQNKVQLLEEQLNLSLLDQLRKLQAMVIEISNKTSSSSST
 CILVLLVSFCLLLVPAIYSSDTRGSLPAEHGVLSRQLRALPSEDYPYQLELPALQSEVP
 KDSTHQWLDGSDCVLQAPGNTSCLLHYMPQAPSAEPPELWPFDFSEPLCRGPIL
 PLQANLTRKGGWLPTGSPSVILQDRYSG

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

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

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CREB3 cAMP responsive element binding protein 3 [Homo sapiens]

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

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mRNA Refseq	NM_006368
Protein Refseq	NP_006359
MIM	606443
UniProt ID	O43889

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