

Recombinant Human CREB3 Protein, GST-tagged

Cat. No. CREB3-1842H **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	Wheat Germ
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 EQEIARLVLTDEEKSLLEKEGLILPETLPLTKTEEQILKRVRRKIRNKRSAQESRRKKK

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VYVGGLESRVLKYYTAQNMEQLQNKVQLLEEQNLSSLDQLRKLQAMVIEISNKTSSSST
CILVLLVSFCLLLVPAIYSSDTRGSLPAEHGVLSRQLRALPSEDYPQLPALQSEVP
KDSTHQWLDGSDCVLQAPGNTSCLLHYMPQAPSAEPPLEWPFDPDLFSEPLCRGPIL
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
mRNA Refseq	NM_006368

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Protein Refseq	NP_006359
MIM	606443
UniProt ID	O43889

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