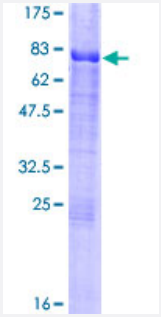
Full-Length

CREB3 (Human) Recombinant Protein (P01)

Catalog # H00010488-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CREB3 full-length ORF (AAH09402.1, 1 a.a. - 371 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MELELDAGDQDLLAFLLEESGDLGTAPDEAVRAPLDWALPLSEVPSDWEVDDLLCSLLSPPAS LNILSSSNPCLVHHDHTYSLPRETVSMDLESESCRKEGTQMTPQHMEELAEQEIARLVLTDEEKS LLEKEGLILPETLPLTKTEEQILKRVRRKIRNKRSAQESRRKKKVYVGGLESRVLKYTAQNMELQNK VQLLEEQNLSLLDQLRKLQAMVIEISNKTSSSSTCILVLLVSFCLLLVPAIYSSDTRGSLPAEHGVLS RQLRALPSEDPYQLELPALQSEVPKDSTHQWLDGSDCVLQAPGNTSCLLHYMPQAPSAEPPLE WPFPDLFSEPLCRGPILPLQANLTRKGGWLPTGSPSVILQDRYSG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	67.8
Interspecies Antigen Sequence	Mouse (66); Rat (55)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — CREB3

Entrez GeneID	10488
GeneBank Accession#	BC009402.2
Protein Accession#	AAH09402.1
Gene Name	CREB3
Gene Alias	LUMAN, LZIP, MGC15333, MGC19782
Gene Description	cAMP responsive element binding protein 3
Omim ID	606443
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transcription factor that is a member of the leucine zipper family of DNA bin ding proteins. This protein binds to the cAMP-responsive element, an octameric palindrome. The protein interacts with host cell factor C1, which also associates with the herpes simplex virus (HS V) 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 prot ein and host cell factor C1 plays a role in the establishment of latency during HSV infection. An ad ditional transcript variant has been identified, but its biological validity has not been determined. [provided by RefSeq
Other Designations	OTTHUMP00000021348|basic leucine zipper protein|cyclic AMP response element (CRE)-bindi ng protein/activating transcription factor 1|transcription factor LZIP-alpha

Pathway

- Melanogenesis
- Prostate cancer

Disease

- Bipolar Disorder
- Genetic Predisposition to Disease