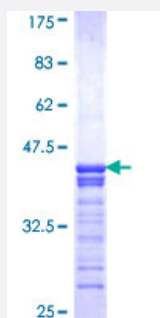


# CREB3 (Human) Recombinant Protein (Q01)

Catalog # H00010488-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human CREB3 partial ORF ( NP_006359, 273 a.a. - 371 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	DPYQLELPALQSEVPKdstHQWLDGSDCVLQAPGNTSCLLHYMPQAPSAEPPLEWPFDPDLFSE PLCRGPILPLQANLTRKGGWLPTGSPSVILQDRYSG
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.63
<b>Interspecies Antigen Sequence</b>	Mouse (66); Rat (55)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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# [NM\\_006368](#)

Protein Accession# [NP\\_006359](#)

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 binding 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 (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. An additional 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)-binding protein/activating transcription factor 1|transcription factor LZIP-alpha

## Pathway

- [Melanogenesis](#)

- [Prostate cancer](#)

## Disease

- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)