



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### CREB1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00001385-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human CREB1 full-length ORF (AAH10636, 1 a.a. - 341 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MTMESGAENQQSGDAAVTEAENQQMTVQAQPQIATL  
AQVSMPAAHATSSAPTTLVQLPNGQTVQVHGVIQAA  
QPSVIQSPQVQTVQSSCKDLKRLFSGTQISTIAESED  
QESVDSVTDQKRREILSRPSYRKILNDLSSDAPGVP  
RIIEEKSEEEETSAPAITTVTPPIYQTSSGQYIAITQGG  
AIQLANNGTDGVQGLQTLTMTNAAATQPGTTILQYAQT  
TDGQQILVPSNHVVVQAASGDVQTYQIRTAPTSTIAPG  
VVMASSPALPTQPAEEAARKREVRLMKNREAARECR  
RKKKEYVKLENRVAVLENQNKTLIEELKALKDLYCHK  
SD

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 63.25

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**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.

**Entrez GeneID:** 1385

**Gene Symbol:** CREB1

**Gene Alias:** CREB, MGC9284

**Gene Summary:** This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds as a homodimer to the cAMP-responsive element, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Alternate splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq]

**References:**

1. ILF2 Directly Binds and Stabilizes CREB to Stimulate Malignant Phenotypes of Liver Cancer Cells. Du H, Le Y, Sun F, Li K, Xu Y. *Anal Cell Pathol (Amst)*. 2019 Feb 10;2019:1575031. doi: 10.1155/2019/1575031. eCollection 2019.
2. Organic conjugated small molecule materials based optical probe for rapid, colorimetric and UV-vis spectral detection of phosphorylated protein in placental tissue. Wang Y, Yang N, Liu Y. *Spectrochim Acta A Mol Biomol Spectrosc*. 2018 Jan 5;194:45-49.
3. Detection of CREB Phosphorylation via Zr (IV) Ion Mediated Signal Amplification. Yin T, Li H, Yang N, Gao T, Sun L, Li G. *Biosens Bioelectron*. 2014 Jun 15;56:1-5.