

Datasheet for ABIN7564351  
**CREB3L2 Protein (AA 1-521) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CREB3L2
Protein Characteristics:	AA 1-521
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CREB3L2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Creb3l2 Protein expressed in mammalien cells.
Sequence:	MEVLESGEQS VLQWDRKLSE LSEPGETEAL MYHTHFSELL DEFSQNVLGQ LLSDPFLSEK SESMEVEPSP TSPAPLIQAE HSYSLSEEP R TQSPFTHAAT SDSFNDEEVE SEKWYLSTEF PSATIKTEPI TEEQPPGLVP SVTLTITAIS TPFEKEESPL DMNAGGDSSC QTLIPKIKLE PHEVDQFLNF SPKEASVDQL HLPPTPPSSH SSDSEGLSPL NPRLHPFSL S QAHSPARAMP RGPSALSTSP LLTAPHKLQG SGPLVLTEEE KRTLVAEGYP IPTKLPLTKS EEKALKKIRR KIKNKISAQE SRRKKKEYMD SLEKKVESCS TENLELRKKV EVLENTNRTL LQQLKQLQTL VMGKVSRTCK LAGTQTGTCL MVVVLCFAVA FGSFFQGYGP YPSATKMALP SQHPLSEPYT ASVVRSRNLL IYEEHAPLEE SSSPASAGEL GGWDRGSSLL RASSGLEALP EVDLPHFLIS NETSLEKSVL LELQQHLVSS KLEGNETLKV VELERRVNAT F <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special</b>

## Product Details

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**request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

CREB3L2

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### Alternative Name:

Creb3l2 ([CREB3L2 Products](#))

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### Background:

Cyclic AMP-responsive element-binding protein 3-like protein 2 (cAMP-responsive element-binding protein 3-like protein 2) [Cleaved into: Processed cyclic AMP-responsive element-binding protein 3-like protein 2],FUNCTION: Transcription factor involved in unfolded protein response (UPR). In the absence of endoplasmic reticulum (ER) stress, inserted into ER membranes, with N-terminal DNA-binding and transcription activation domains oriented toward the cytosolic face of the membrane. In response to ER stress, transported to the Golgi, where it is cleaved in a site-specific manner by resident proteases S1P/MBTPS1 and S2P/MBTPS2. The released N-terminal cytosolic domain is translocated to the nucleus to effect transcription of specific target genes. Plays a critical role in chondrogenesis by activating the transcription of SEC23A, which promotes the transport and secretion of cartilage matrix proteins, and possibly that of ER biogenesis-related genes (PubMed:19767744). In a neuroblastoma cell line, protects cells from ER stress-induced death (PubMed:17178827). In vitro activates transcription of

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## Target Details

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target genes via direct binding to the CRE site (PubMed:17178827).  
{ECO:0000269|PubMed:17178827, ECO:0000269|PubMed:19767744}.

Molecular Weight: 57.5 kDa

UniProt: [Q8BH52](#)

Pathways: [Thyroid Hormone Synthesis](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months