

Datasheet for ABIN7553541

CREB3L2 Protein (AA 1-520) (His tag)



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Overview

Quantity:	1 mg
Target:	CREB3L2
Protein Characteristics:	AA 1-520
Origin:	Human
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 mammalian cells.
Sequence:	<p>MEVLESGEQG VLQWDRKLSE LSEPGDGEAL MYHTHFSELL DEFSQNVLGQ LLNDPFLSEK</p> <p>SVSMEVEPSP TSPAPLIQAE HSYSLCEEPR AQSPFTHITT SDSFNDDEVE SEKWYLSTDF</p> <p>PSTSIKTEPV TDEPPPGLVP SVTLTITAIS TPLEKEEPPL EMNTGVDSSC QTIIPKIKLE</p> <p>PHEVDQFLNF SPKEAPVDHL HLPPTPPSSH GSDSEGLSP NPRLHPFSLP QTHSPSRAAP</p> <p>RAPSALSSSP LLTAPHKLQG SGPLVLTEEE KRTLIAEGYP IPTKLPLSKS EEKALKKIRR</p> <p>KIKNKISAQE SRRKKKEYMD SLEKKVSCS TENLELRKKV EVLENTNRTL LQQLQKLQTL</p> <p>VMGKVSRTCK LAGTQTGTCL MVVLCFAVA FGSFFQGYGP YPSATKMALP SQHSLQEPYT</p> <p>ASVVRSRNLL IYEEHSPPEE SSSPGSAGEL GGWDRGSSLL RVSGLESRPD VDLPHFIISN</p> <p>ETSLEKSVLL ELQQHLVSAK LEGNETLKVV ELDRRVNTTF Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p> <p>of the protein could make another tag necessary. In case you have a special request, please</p>

contact us.

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.

Purity:

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

Grade:

custom-made

Target Details

Target:

CREB3L2

Alternative Name:

CREB3L2 ([CREB3L2 Products](#))

Background:

Cyclic AMP-responsive element-binding protein 3-like protein 2 (cAMP-responsive element-binding protein 3-like protein 2) (BBF2 human homolog on chromosome 7) [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 (By similarity). In a neuroblastoma cell line, protects cells from ER stress-induced death

Target Details

	(PubMed:17178827). In vitro activates transcription of target genes via direct binding to the CRE site (PubMed:17178827). {ECO:0000250 UniProtKB:Q8BH52, ECO:0000269 PubMed:17178827}.
Molecular Weight:	57.4 kDa
UniProt:	Q70SY1
Pathways:	Thyroid Hormone Synthesis

Application Details

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

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