

Datasheet for ABIN7564809

CRTC3 Protein (AA 1-619) (His tag)



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Overview

Quantity:	1 mg
Target:	CRTC3
Protein Characteristics:	AA 1-619
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CRTC3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Crtc3 Protein expressed in mammalian cells.
Sequence:	<p>MAASPGSGSA NPRKFSEKIA LHTQRQAEET RAFEQLMTDL TLSRVQFQKL QQLRLTQYHG</p> <p>GSLPNVSQQR NSAPEFQPSL HQADNVRGTR HHGLVERPAR NRFHPLHRRS GDKPGRQFDG</p> <p>NAFAASYSSQ HLDSEWPRQQ PPWKEEKHPG FRLTSALNRT NSDSALHTSA LSTKPQDPYG</p> <p>GGGQSAWPAP YMGFCDGEND GHAEVAAFPG PLKEENLLNV PKPLPKHLWE SKEIQSLSGR</p> <p>PRSCDVGGGN AFPHNGQNTG LSPFLGTLNT GGSLPDLTNL HYSAPLPASL DTSDFHFGSM</p> <p>SVGNSVGNLP AAMTHLGIRT SSGLQSSRSN PSIQATLSKM ALSSSLKCHP QPSVANASAL</p> <p>HPSLRFLSLS NPSLSTTNLS GPSRRRQPPV SPLTLSPGPE AHQGFSRQLS ATSPLNPYP</p> <p>SQMVTSEQSP LSFLPTDAQA QVSPPPPYPT PQELPQPLLQ QPHAQEPPTQ QPQAAPSLPQ</p> <p>SDFQLLTAQG SALTSFFPDV RFDQQPMRPS PAFPPQVPLV QQSHREPQDS FHLPNPYPSS</p> <p>CGSFPGTILT EDTNSNLFKG LSGGLSGMPE VSLDMDTPFP LEEELQIEPL SLDGLNMLSD</p> <p>SSMGLLDPSV EETFRADRL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</p>

another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: CRTC3

Alternative Name: Crtc3 ([CRTC3 Products](#))

Background: CREB-regulated transcription coactivator 3 (Transducer of regulated cAMP response element-binding protein 3) (TORC-3) (Transducer of CREB protein 3),FUNCTION: Transcriptional coactivator for CREB1 which activates transcription through both consensus and variant cAMP response element (CRE) sites (PubMed:29211348, PubMed:30611118). Acts as a coactivator, in the SIK/TORC signaling pathway, being active when dephosphorylated (PubMed:29211348). Acts independently of CREB1 'Ser-133' phosphorylation (By similarity). Enhances the interaction of CREB1 with TAF4 (By similarity). Regulates the expression of specific CREB-activated genes such as the steroidogenic gene, StAR (By similarity). Potent coactivator of PPARGC1A and inducer of mitochondrial biogenesis in muscle cells (By similarity).
{ECO:0000250|UniProtKB:Q6UUUV7, ECO:0000269|PubMed:29211348,

Target Details

	ECO:0000269 PubMed:30611118}.
Molecular Weight:	67.0 kDa
UniProt:	Q91X84
Pathways:	SARS-CoV-2 Protein Interactome , The Global Phosphorylation Landscape of SARS-CoV-2 Infection

Application Details

Application Notes:	We expect the protein to work for functional studies. 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