

Datasheet for ABIN7564579
CCAR1 Protein (AA 1-1146) (His tag)



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Overview

Quantity:	1 mg
Target:	CCAR1
Protein Characteristics:	AA 1-1146
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCAR1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ccar1 Protein expressed in mammalian cells.
Sequence:	MAQFGGQKNP PWATQFTATA VSQPAALGVQ QPSLLGASPT IYQQTALAA AGLTTQTPAN YQLTQTAALQ QQAAAVLQQQ YSQPQQALYS VQQQLQQPQQ TILTQPAVAL PTSLSLSTPQ PAAQITVSYP TPRSSQQQTQ PQKQRVFTGV VTKLHDTFGF VDEDVFFQLG AVKGKTPQVG DRVLVEATYN PNMPFKWNAQ RIQTLPNQNG SQTQPLLKTP TAVIQPIVPQ TTFGVQAQPQ PQSLLQAQIS AASITPLLQT QPQPLLQQPQ QKAGLLQPPV RIVSQPQPAR RLDPPSRFSG RNDRGDQVFN RKDDRSRERD RERRRSRERS PQRKRSRERS PRRRERSRPR RVRRRVPRYT VQFSKFSLDC PSCDMMELRR RYQONLYIPSD FFDAQFTWVD AFPLSRPFQL GNYCNFYVMH REVESLEKNM AVLDPPDADH LYSKVMMLMA SPSMEDLYHK SCALAEDPQD LRDGFQHPAR LVKFLVGMKG KDEAMAIGHG WSPSLDGPNP EKDPSVLIKT AIRCCKALTG IDLSVCTQWY RFAEIRYHRP EETHKGRTVP AHVETVVLFF PDVWHCLPTR SEWETLSRGY KQQLVEKLQG ERKKADGEQD EEEKDDGEVK EIATPTHWSK LDPKAMKVND LRKELESRAL SSKGLKSQLI ARLTQQLKIE EQKEEQKELE KSEKEEDED DKKSEDDKEE EERKRQEEVE RQRQERRYIL

Product Details

PDEPAIVHP NWAAKSGKFD CSIMSLSVLL DYRLLEDNKEH SFEVSLFAEL FNEMLQRDFG
VRIYKSLLSL PEKEDKKDKE KKSKEERKD KKEEREDDID EPKPKRRKSG DDKDKKEDRD
ERKKEEKRKD DSKDDDETEE DNNQDEYDPM EAEAEDEDD DREEEVVKRD DKRDVSRYSK
DRPAKDKEKE KPQMVTVNRD LLMAFVYFDQ SHCGYLLEKD LEEILYTLGL HLSRAQVKKL
LNKVVLRESC FYRKLDTSK DDENHEESEA LQEDMLGNRL LLPTPTIKQE SKDGEENVGL
IVYNGAMVDV GSLLQKLEKS EKVRAEVEQK LQLLEKTDE DGKTILNLEN SNKSLSGELR
EVKDLGQLQ ENLEVSENMN LQFENQLNKT LRNLSTVMDD IHTVLKKNV KSEDRDEKSK
ENSGSV **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 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: CCAR1

Alternative Name: Ccar1 ([CCAR1 Products](#))

Background: Cell division cycle and apoptosis regulator protein 1 (Cell cycle and apoptosis regulatory protein)

Target Details

1) (CARP-1),FUNCTION: Associates with components of the Mediator and p160 coactivator complexes that play a role as intermediaries transducing regulatory signals from upstream transcriptional activator proteins to basal transcription machinery at the core promoter. Recruited to endogenous nuclear receptor target genes in response to the appropriate hormone. Also functions as a p53 coactivator. May thus play an important role in transcriptional regulation. May be involved in apoptosis signaling in the presence of the retinoid CD437. Apoptosis induction involves sequestration of 14-3-3 protein(s) and mediated altered expression of multiple cell cycle regulatory genes including MYC, CCNB1 and CDKN1A. Plays a role in cell cycle progression and/or cell proliferation (By similarity). In association with CALCOCO1 enhances GATA1- and MED1-mediated transcriptional activation from the gamma-globin promoter during erythroid differentiation of K562 erythroleukemia cells (PubMed:24245781). Can act as a both a coactivator and corepressor of AR-mediated transcription. Contributes to chromatin looping and AR transcription complex assembly by stabilizing AR-GATA2 association on chromatin and facilitating MED1 and RNA polymerase II recruitment to AR-binding sites. May play an important role in the growth and tumorigenesis of prostate cancer cells (PubMed:23887938). {ECO:0000250|UniProtKB:Q8IX12, ECO:0000269|PubMed:23887938, ECO:0000269|PubMed:24245781}.

Molecular Weight: 132.1 kDa

UniProt: [Q8CH18](#)

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