

Datasheet for ABIN7564621  
**CC2D1A Protein (AA 1-943) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	CC2D1A
Protein Characteristics:	AA 1-943
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CC2D1A protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Cc2d1a Protein expressed in mammalian cells.
Sequence:	MHKRNGPQAP PGRGAVTARQ LGLLVDFSPD GLMIPEDGIN EEELEAEFLA LVGGQPQALE KLKGGQPLPM EAIEKMARLC MRDLDEDEEG TDEDDVEADE DLLAELNEVL GEEQKAVEPL MPVAQPKPSG PNPQVEATLQ ERLTLYQSAL ESARQAGDSA KMRRYDRGLK TLENLLVSAK KGNIIINEADI PPPVASGKGA AAGHSHTQAT SQLASVPPA PESSGTLEAP STTTPTSAPK QLPPDPCSPL ARLQSLQHEY KLAALRAKHQ DDTATATRHL RIAKSFDPVL EALSRGELVD LSRLPPPPDQ LSPEPLPAA QPLTSASTLT RPEVPQPPRN LLEALEQRME RYHVAAAQAK AKGDQRKARM HERIVKQYQD AIRAHKAGRA VDVAELVPP GFPPMQGLES AEPSQQSLVG VLETAMRLAN HDEGSDDEEE ETPKKQNTPA ASTTQLKSSP SKAPPSGPAP AGKAAPKGT NRAQQQLAFL EGRKKQLLQA ALRAKQKNDV EGAKMHLRQA KGLEPMLEAS RNGLPVDI VPPAPVVKDD FVLVQRPGPG LSQEAVRRYG ELTKLLRQQH EMCLNHSTQF THLGIAETI KFEKLAEDCK RSMDTLKQAF ARSLPTPAAR FEQRTFSVIK VFPDLSNSDM LLFIVKGINL PTPTGLSPSD LDAFVRDFDP YPNVEEAQKD KTSVIKNTDS PEFKEQFKLC INRGHRGFRR

## Product Details

---

AIQTKGIKFE VVHKGGLFKT DRVLGTAQLK LGTLETACEV HEILEVLDGR RPTGGRLEVM  
VRIREPLTAQ QLETTTERWL VIDHIPAAMP TVTGPKAKAP LIPASSREAG NRSARPLHSL  
SVLAFDQERL ERKILALRQA RRPVPPEVAQ QYQDVVQRSQ WQRAQLEQGG AALRREYASH  
LERQLHFYTE AARRLGYDGS REAAKEALYR RNLVESELQR LRR **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: CC2D1A

Alternative Name: Cc2d1a ([CC2D1A Products](#))

Background: Coiled-coil and C2 domain-containing protein 1A (Five prime repressor element under dual repression-binding protein 1) (FRE under dual repression-binding protein 1) (Freud-1),FUNCTION: Transcription factor that binds specifically to the DRE (dual repressor element) and represses HTR1A gene transcription in neuronal cells. The combination of calcium and

## Target Details

---

ATP specifically inactivates the binding with FRE. May play a role in the altered regulation of HTR1A associated with anxiety and major depression. Mediates HDAC-independent repression of HTR1A promoter in neuronal cell. Performs essential function in controlling functional maturation of synapses. {ECO:0000269|PubMed:12917378, ECO:0000269|PubMed:14756806, ECO:0000269|PubMed:21273312}.

Molecular Weight: 103.7 kDa

UniProt: [Q8K1A6](#)

## 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