

Datasheet for ABIN7552824
CC2D1A Protein (AA 1-951) (His tag)



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Overview

Quantity:	1 mg
Target:	CC2D1A
Protein Characteristics:	AA 1-951
Origin:	Human
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:	MHKRKGPPGP PGRGAAAARQ LGLLVDLSPD GLMIPEDGAN DEELEAEFLA LVGGQPPALE KLKKGKPLPM EAIEKMASLC MRDPDEDEEE GTDEDDLEAD DDLLAELNEV LGEEQKASET PPPVAQPKPE APHPGLETTL QERLALYQTA IESARQAGDS AKMRRYDRGL KTLNLLASI RKGNAIDEAD IPPPVAIGKG PASTPTYSPA PTQPAPRIAS APEPRVTLEG PSATAPASSP GLAKPQMPPG PCSPGPLAQL QSRQRDYKLA ALHAKQQGDT TAAARHFRVA KSFDVLEAL SRGEPVDLSC LPPPPDQLPP DPPSPPSQPP TPATAPSTTE VPPPPRTLLE ALEQRMERYQ VAAAQAKSKG DQRKARMHER IVKQYQDAIR AHKAGRAVDV AELVPPPGFP PIQGLEATKP TQQSLVGVLE TAMKLANQDE GPEDEEDEVV KKQNSPVAPT AQPKAPPSRT PQSGSAPTAK APPKATSTRA QQQLAFLEGR KKQLLQAALR AKQKNDVEGA KMHLRQAKGL EPMLEASRNG LPVDITKVPP APVNKDDFAL VQRPGLSLSQ EAARRYGELT KLIRQQHEMC LNHSNQFTQL GNITETTKFE KLAEDCKRSM DILKQAFVRG LPTPTARFEQ RTFSVIKIFP DLSSNDMLLF IVKGINLPTP PGLSPGDLDV FVRFDFFYPN VEEAQKDKTS VIKNTDSPEF KEQFKLCINR

Product Details

SHRGFRRAIQ TKGKFEVVH KGGLFKTRV LGTAQLKLD A LEIACEVREI LEVLDGRRPT
GGRLEVMVRI REPLTAQQL TTTTERWLVID PVPAAVPTQV AGPKGKAPPV PAPARESGNR
SARPLHLSLV LAFDQERLER KILALRQARR PVPPEVAQQY QDIMQRSQWQ RAQLEQGGVG
IRREYAAQLE RQLQFYTEA RRLGNDGSRD AAKEALYRRN LVESELQLR R **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 (Akt kinase-interacting protein 1) (Five prime repressor element under dual repression-binding protein 1) (FRE under dual repression-binding protein 1) (Freud-1) (Putative NF-kappa-B-activating protein 023N),FUNCTION: Transcription factor that binds specifically to the DRE (dual repressor element) and represses HTR1A gene

Target Details

transcription in neuronal cells. The combination of calcium and 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 (By similarity). Plays distinct roles depending on its localization. When cytoplasmic, acts as a scaffold protein in the PI3K/PDK1/AKT pathway. Repressor of HTR1A when nuclear. In the centrosome, regulates spindle pole localization of the cohesin subunit SCC1/RAD21, thereby mediating centriole cohesion during mitosis. {ECO:0000250, ECO:0000269|PubMed:20171170}.

Molecular Weight: 104.1 kDa

UniProt: [Q6P1N0](#)

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