

Recombinant Mouse Cc2d1a Protein, Myc/DDK-tagged

Cat. No. Cc2d1a-1979M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length coiled-coil and C2 domain containing 1A (Cc2d1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Transcription factor that binds specifically to the DRE (dual repressor element) and represses HTR1A gene 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.
Molecular Mass	103.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Cc2d1a coiled-coil and C2 domain containing 1A [Mus musculus (house mouse)]

Official Symbol Cc2d1a

Synonyms CC2D1A; coiled-coil and C2 domain containing 1A; coiled-coil and C2 domain-containing protein 1A; 5-HT1A receptor; putative NFkB activating protein; FRE under dual repression-binding protein 1; five repressor element under dual repression-binding protein 1; five repressor element under dual repression binding protein 1; five prime repressor element under dual repression-binding protein 1; Freud-1; BC016188; MGC27560; MGC38983

Gene ID 212139

mRNA Refseq NM_145970

Protein Refseq NP_666082

UniProt ID Q8K1A6

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