

Recombinant Human CC2D1A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CC2D1A-1522H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CC2D1A MS Standard C13 and N15-labeled recombinant protein (NP_060191) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a transcriptional repressor that binds to a conserved 14-bp 5'-repressor element and regulates expression of the 5-hydroxytryptamine (serotonin) receptor 1A gene in neuronal cells. The DNA binding and transcriptional repressor activities of the protein are inhibited by calcium. A mutation in this gene results in a nonsyndromic form of cognitive disability (MRT3).
Molecular Mass	104.1 kDa
AA Sequence	MHKRKGPPGPPGRGAAAARQLGLLVDLSPDGLMIPEDGANDEELEEFLALVGGQ PPALEKLGKGPLPMEAIKMASLCMRDPDEDEEEGTDEDDLEADDDLLAELNEVL GEEQKASETPPPVAQPKPEAPHPGLETTLQERLALYQTAIESARQAGDSAKMRRYD RGLKTLENLLASIRKGNIDEADIPPPVAIGKGPASTPTYSPAPTQPAPRIASAPEPRV TLEGPSATAPASSPGLAKPQMPPGPCSPGPLAQLQSRQRDYKLAALHAKQQGDTT AAARHFRVAKSFDVLEALSRGEPVDLSCLPPPPDQLPPDPPSPPSQPPTPATAPST TEVPPPPRTLLEALEQRMERYQVAAAQAKSKGDQRKARMHERIVKQYQDAIRAHKA GRAVDVAELPVPPGFPPPIQGLEATKPTQQSLVGVLETAMKLANQDEGPEDDEEDEV

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KKQNSPVAPTAQPKAPPSRTPQSGSAPTAKAPPKATSTRAQQQLAFLEGRKKQLLQ
 AALRAKQKNDVEGAKMHLRQAKGLEPMLEASRNGLPVDITKVPPAPVNDKDDFALVQ
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 LDVFVRFDFPYPNVEEAQKDKTSVIKNTDSPEFKEQFKLCINRSHRGFRRAIQTKGIK
 FEVVHKGGLFKTDRVLGTAQLKDALEIACEVREILEVLDGRRPTGGRLEVMVRIREP
 LTAQQLETTTERWLVIDPVAAVPTQVAGPKGKAPPVPAPARESGNRSARPLHSL
 VLAFDQERLERKILALRQARRPVPPEVAQQYQDIMQRSQWQRAQLEQGGVGIRRE
 YAAQLERQLQFYTEAARRLGNDGSRDAAKEALYRRNLVESELQRLRRTRTRPLEQK
 LISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CC2D1A coiled-coil and C2 domain containing 1A [Homo sapiens (human)]

Official Symbol CC2D1A

Synonyms CC2D1A; coiled-coil and C2 domain containing 1A; coiled-coil and C2 domain-containing protein 1A; FLJ20241; mental retardation; nonsyndromic; autosomal recessive; 3; MRT3; Akt kinase-interacting protein 1; putative NFκB activating protein;

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FRE under dual repression-binding protein 1; putative NF-kappa-B-activating protein 023N; mental retardation, nonsyndromic, autosomal recessive, 3; five repressor element under dual repression-binding protein 1; five prime repressor element under dual repression-binding protein 1; FREUD-1; Freud-1/Aki1; FLJ41160;

Gene ID [54862](#)

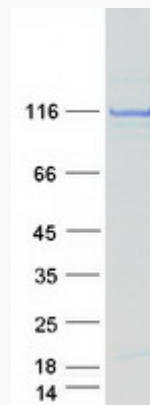
mRNA Refseq [NM_017721](#)

Protein Refseq [NP_060191](#)

MIM [610055](#)

UniProt ID [Q6P1N0](#)

SDS-PAGE



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