

## Recombinant Human CC2D1A, His-tagged

Cat. No. CC2D1A-26320TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 672-951 of Human CC2D1A with N terminal His tag; Predicted MWt 33 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	672-951 a.a.
<b>Description</b>	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 nonsyndromic mental retardation-3.
<b>Conjugation</b>	HIS
<b>Form</b>	Lyophilised:Reconstitute with 106 µl aqua dest.
<b>Storage buffer</b>	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino</b>	GLSPGDLDFVRFDFPYPNVEEAQKDKTSVIKNTDSPEFK EQFKLCINRSHRGFRR

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**acids**

AIQTKGIKFEVVHKGGLFKTDR VLGTAQLKLEDALEIACEVREILEVLDGRRPTGGRLE  
 VM VRIREPLTAQQLETTTERWLVIDPVPAAVPTQVAGPKG KAPPVPAPARESGNRS  
 ARPLHLSVLAFDQERLERKILALRQARRPVPPEVAQQYQDIMQRSQWQRAQLEQG  
 GVGIRR EYAAQLERQLQFYTEAARRLGNDGSRDAAKEALYRRNL VESELQLRR

## GENE INFORMATION

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

**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;

**Gene ID** 54862

**mRNA Refseq** NM\_017721

**Protein Refseq** NP\_060191

**MIM** 610055

**Uniprot ID** Q6P1N0

**Chromosome Location** 19p13.12

**Pathway** SIDS Susceptibility Pathways, organism-specific biosystem;

**Function** DNA binding; signal transducer activity;

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