

Recombinant Mouse Ccdc51 Protein, Myc/DDK-tagged

Cat. No. Ccdc51-2009M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length coiled-coil domain containing 51 (Ccdc51), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Mitochondrial potassium channel located in the mitochondrial inner membrane. Together with ABCB8/MITOSUR, forms a protein complex localized in the mitochondria that mediates ATP-dependent potassium currents across the inner membrane (that is, mitoK(ATP) channel). May contribute to the homeostatic control of cellular metabolism under stress conditions by regulating the mitochondrial matrix volume.
Molecular Mass	45.6 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

Gene Name [Ccdc51 coiled-coil domain containing 51 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Ccdc51](#)

Synonyms Ccdc51; coiled-coil domain containing 51; Mit; Mitok; AI551049; 5730568A12Rik; mitochondrial potassium channel; coiled-coil domain-containing protein 51

Gene ID [66658](#)

mRNA Refseq [NM_025689](#)

Protein Refseq [NP_079965](#)

UniProt ID [Q3URS9](#)

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