

Product datasheet for **TP505816**

Ccdc51 (NM_025689) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse coiled-coil domain containing 51 (Ccdc51), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205816 representing NM_025689 Red =Cloning site Green =Tags(s)

MTGCSPVFAMQHVVGVPRILVRRRTFLGTDVTMTRTLCSPGPREKRPEAAALGLFHRLPELGRTLSTVVRH
QAASTAKAWWDREYEEFVGLNEVREAQGNVTEAEKVFMVARGLVREAREGLEAQQTKLKEVRDRLDRVSRE
DNQYLELATLEHRMLQEEKRLRIAYLRAEDSEREKFSLSAAVRESHEKERTRAERTKNWSLIGSVLGAL
IGVAGSTYVNRVRLQELKALLLEAQKGPASLQEAIREQASSYSLQKDLQDLMMDLRGLVHAEQGGSGS
PTGSSTRGKDIDGLSATMKEQLRHSRQVYSCLEGLREQLDGLEKTCMQMAGVLQLAQAHPGTVGPVDG
ALPSSLLEHGSVILALSEMEQRLEAQRNRNTVSSTLVTCVTFLATLPLLYMLFKTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	45.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_079965
Locus ID:	66658
UniProt ID:	Q3URS9



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RefSeq Size: 2397

Cytogenetics: 9 F2

RefSeq ORF: 1218

Synonyms: 5730568A12Rik; AI551049

Summary: Mitochondrial potassium channel located in the mitochondrial inner membrane (PubMed:31435016). 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) (PubMed:31435016). May contribute to the homeostatic control of cellular metabolism under stress conditions by regulating the mitochondrial matrix volume (PubMed:31435016).[UniProtKB/Swiss-Prot Function]