

## Product datasheet for **TP303890L**

### CCDC51 (NM\_024661) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human coiled-coil domain containing 51 (CCDC51), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203890 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MTRTLCSPGPSQPGEKRPEEVALGLHHRLPALGRALGHSIQQRATSTAKTWWDRIYEEFVGLNEVREAQGK VTEAEKVMVARGLVREAREDLEVHQAKLKEVRDRLDRVSREDSQYLELATLEHRMLQEEKRLRTAYLRA EDSEREKFSLSAAVRESHEKERTRAERTKNWLSLIGSVLALIGVAGSTYVNRVRLQELKALLLEAQKGP VSLQEAIREQASSYSRQQRDLHNLMDLRGLVHAAGPGQDSGSQAGSPPTRDRDVLVSAALKEQLSHSR QVHSCLEGLREQLDGLEKTCSQMAGVVQLVKSAAHPGLVEPADGAMPSPFLLEQGSMLALSDETEQRLEAQ VNRNTIYSTLVTCVTFVATLPVLYMLFKAS
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<a href="#">NP_078937</a>
Locus ID:	79714



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UniProt ID: [Q96ER9](#)

RefSeq Size: 1519

Cytogenetics: 3p21.31

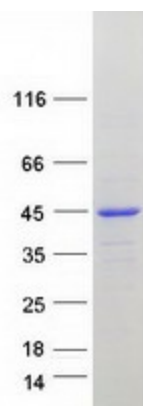
RefSeq ORF: 1140

Synonyms: MITOK

**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]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified CCDC51 protein (Cat# [TP303890]). The protein was produced from HEK293T cells transfected with CCDC51 cDNA clone (Cat# [RC203890]) using MegaTran 2.0 (Cat# [TT210002]).