

Product datasheet for PH303890

CCDC51 (NM_024661) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CCDC51 MS Standard C13 and N15-labeled recombinant protein (NP_078937)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203890
Predicted MW:	42.4 kDa
Protein Sequence:	>RC203890 protein sequence Red=Cloning site Green=Tags(s) MTRTLCSPGPSQPGEKRPEEVALGLHHRLPALGRALGHSIQQRATSTAKTWWDRYEEFVGLNEVREAQGK VTEAEKVMVARGLVREAREDLVHQAKLKEVRDRLDRVSREDSQYLELATLEHRMLQEEKRLRTAYLRA EDSEREFSLFSAAVRESHEKERTRAERTKNWSLIGSVLGALIGVAGSTYVNRVRLQELKALLLEAQKGP VSLQEAIREQASSYSRQQRDLHNL MVDLRGLVHAAGPGQDSGSQAGSPTRDRD VDL SAALKEQLSHSR QVHSCLEGLREQLDGLEKTCMQMAGVVQLVKSAAHPGLVEPADGAMPFLLEQGSMLALSDTEQRLEAQ VNRNTIYSTLVTCVTFVATLPVLYMLFKAS TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_078937
RefSeq Size:	1519
RefSeq ORF:	1140
Synonyms:	MITOK
Locus ID:	79714



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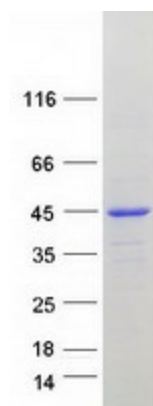
UniProt ID: [Q96ER9](#)

Cytogenetics: 3p21.31

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]).