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Datasheet for ABIN7553098

CCDC51 Protein (AA 1-411) (His tag)

Overview

Quantity:	1 mg
Target:	CCDC51
Protein Characteristics:	AA 1-411
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCDC51 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat CCDC51 Protein expressed in mammalian cells.
Sequence:	MMGRSPGFAM QHIVGVPHVL VRRGLLGRDL FMTRTLCSPG PSQPGEKRPE EVALGLHHRL PALGRALGHS IQQRATSTAK TWWDRYEEFV GLNEVREAQG KVTEAEKVFM VARGLVREAR EDLEVHQAKL KEVRDRLDRV SREDSQYLEL ATLEHRMLQE EKRLRTAYLR AEDSEREKFS LFSAAVRESH EKERTRAERT KNWSLIGSVL GALIGVAGST YVNRVRLQEL KALLLEAQKG PVSLQEAIRES QASSYSRQQR DLHNLMDVLR GLVHAAGPGQ DSGSQAGSPP TRDRDVDVLS AALKEQLSHS RQVHSCLEGL REQLDGLEKT CSQMAGVVQL VKSAAHPGLV EPADGAMPSF LLEQGSMILA LSDTEQRLEA QVNRNTIYST LVTCVTFVAT LPVLYMLFKA S Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: CCDC51

Alternative Name: CCDC51 ([CCDC51 Products](#))

Background: Mitochondrial potassium channel (MITOK) (Coiled-coil domain-containing protein 51),FUNCTION: 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). {ECO:0000269|PubMed:31435016}.

Molecular Weight: 45.8 kDa

UniProt: [Q96ER9](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a

Application Details

guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months