

Datasheet for ABIN7552718
C2CD5/KIAA0528 Protein (AA 1-1000) (His tag)



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Overview

Quantity:	1 mg
Target:	C2CD5/KIAA0528 (C2CD5)
Protein Characteristics:	AA 1-1000
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C2CD5/KIAA0528 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant C2CD5 Protein expressed in mammalian cells.
Sequence:	<p>MPGKLVKIV AGRHLPVMDR ASDLTDAFVE VKFGNTTFKT DVYLKSLNPQ WNSEWFKFEV DDEDLQDEPL QITVLDHDTY SANDAIGKVY IDIDPLLYSE AATVISGWFP IYDTHGIRG EINVVVKVDL FNDLNRFRQS SCGVKFFCTT SIPKCYRAVI IHGFVEELVV NEDPEYQWID RIRTPRASNE ARQLISLMS GELQRKIGLK VLEMRGNAV V GYLQCFDLEG ESGLVVRAIG TACTLDKLSS PAAFLPACNS PSKEMKEIPF NEDPNPNTHS SGPSTPLKNQ TYSFSPSKSY SRQSSSDTD LSLTPKTGMG SGSAGKEGGP FKALLRQQTQ SALEQREFPF FTTLAAPPGF LVHVGGVVSA RSVKLLDRIH NPDEPETRDA WWAEIRQEIK SHAKALGCHA VVGYSESTSI CEEVCILSAS GTAAVLNPRF LQDGTVEGCL EQRLEENLPT RCGFCHIPYD ELNMPFPAHL TYCYNCRKQK VPDVLFITID LPTDATVIGK GCLIQARLCR LKKKAQAEAN ATAINLLPF MEYEVHTQLM NKLKLGKMNALFGLRIQITV GENMLMGLAS ATGVYLAALP TPGGIQIAGK TPNDGSYEQH ISHMQKIND TIAKNKELYE INPPEISEEI IGSPIPEPRQ RSRLRSQSE SSDEVTELDL SHGKKDAFVL EIDDTDAMED VHSLLTDVPP PSGFYSCNTE IMPGINNWTS</p>

Product Details

EIQMFTSVRV IRLSSLNLTN QALNKNFNLD CENLLKSLYF KLRSMPCCCL CHVNFTVSLP
EDELIQVTVT AVAITFDKNQ ALQTTKTPVE KSLQRASTDN EELLQFPLEL CSDSLPSHPF
PPAKAMTVEK ASPVGDGNFR NRSAPPCANS TVGVVKMTPL SFIPGAKITK YLGIINMFFI
RETTSLREEG GVSGFLHAFI AEVFAMVRAH VAALGGNAVV SYIMKQCVFM ENPNKNQAQC
LINVSGDAVV FVRESBLEVV SSQQPTTNCQ SSCTEGEVTT **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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: C2CD5/KIAA0528 (C2CD5)

Alternative Name: C2CD5 ([C2CD5 Products](#))

Background: C2 domain-containing protein 5 (C2 domain-containing phosphoprotein of 138 kDa),FUNCTION: Required for insulin-stimulated glucose transport and glucose transporter SLC2A4/GLUT4 translocation from intracellular glucose storage vesicle (GSV) to the plasma membrane (PM) in

Target Details

adipocytes. Binds phospholipid membranes in a calcium-dependent manner and is necessary for the optimal membrane fusion between SLC2A4/GLUT4 GSV and the PM. {ECO:0000269|PubMed:21907143}.

Molecular Weight: 110.4 kDa

UniProt: [Q86YS7](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a 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