

## Product datasheet for **RG239918**

### **KIAA0528 (C2CD5) (NM\_001286176) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0528 (C2CD5) (NM_001286176) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C2CD5
Synonyms:	CDP138; KIAA0528
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG239918 representing NM_001286176. Blue=ORF Red=Cloning site Green=Tag(s)

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**Protein Sequence:**

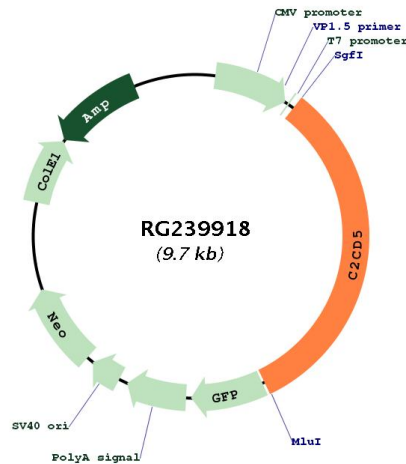
>Peptide sequence encoded by RG239918  
 Blue=ORF Red=Cloning site Green=Tag(s)

MPGKLVKIVAGRHLVMDRASDLTDAFVEVKFGNTTFKTDVYLKSLNPQWSEWFKFEVDEDLQDEP  
 LQITVLDHDTYSANDAIGKVYIDIDPLLYSEAATVISGWFPYDTHGIRGEINVVVKVDFLNDLNRFR  
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 VHSLLDVPPPSGFYSCNTEIMPGINNWTSEIQMFTSVRVIRLSSLNLTNQALNKNFNLDLKENLKS  
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**MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE**  
**SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPISILQNGGPMFA**  
**FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001286176

**ORF Size:** 3153 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>RefSeq:</b>	<u>NM_001286176.1, NP_001273105.1</u>
<b>RefSeq Size:</b>	4626 bp
<b>RefSeq ORF:</b>	3156 bp
<b>Locus ID:</b>	9847
<b>UniProt ID:</b>	<u>Q86YS7</u>
<b>Cytogenetics:</b>	12p12.1
<b>MW:</b>	116.5 kDa
<b>Gene Summary:</b>	Required for insulin-stimulated glucose transport and glucose transporter SLC2A4/GLUT4 translocation from intracellular glucose storage vesicle (GSV) to the plasma membrane (PM) in adipocytes. Binds phospholipid membranes in a calcium-dependent manner and is necessary for the optimal membrane fusion between SLC2A4/GLUT4 GSV and the PM.[UniProtKB/Swiss-Prot Function]