

Product datasheet for **RC239909**

KIAA0528 (C2CD5) (NM_001286177) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0528 (C2CD5) (NM_001286177) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KIAA0528
Synonyms:	CDP138; KIAA0528
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC239909 representing NM_001286177 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCCAGGGAAGCTGAAGGTGAAAATCGTGCCGGGCGCCATTTGCCAGTGATGGACCGTGCTAGTGACC
TGACTGATGCCTTCGTGGAGGTAAAATTTGGTAATACCACCTTTAAACAGATGTGTACCTTAAGTCACT
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GACCTCCCAACAGATGCAACAGTTATTGGAAAAGTTGTCTTATTCAAGCAAGGTTATGTCGCTTAAAA
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Protein Sequence:

>RC239909 representing NM_001286177

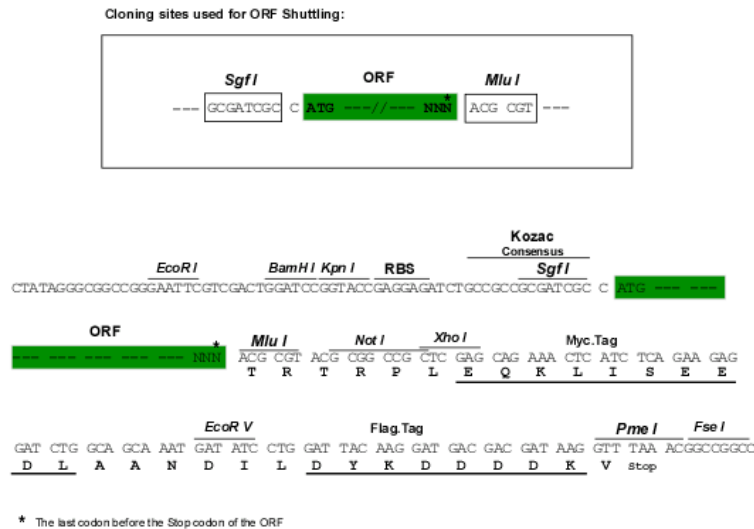
Red=Cloning site Green=Tags(s)

MPGKLVKIVAGRHLVMDRASDLTDAFVEVKFGNTTFKTDVYLKSLNPQWSEWKFVEVDDDLQDEPL
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SCGVKFFCTTSIPKCYRAVIIHGFVEELVNEDPEYQWIDRIRTPRASNEARQRLISLMSGELQRKIGLK
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IIGSPIPEPRQRSRLRSQSESSDEVTELDL SHGKKDAFVLEIDDDTDAMEDVHSLLDVPPPSGFYSNT
EIMPGINNWTSEIQMFTSVRVIRLSSLNLTNQALNKNFNDLCENLLKSLYFKLRSMIPCLCHVNFVSL
PEDELIQVTVTAVAITFDKNQALQTTKTPVEKSLQRASTDNEELLQFPLELCSDSLPSHPFPFAKEHLES
ASSNSGIPAAQRATSVDYSSFADRCSSWIELIKLKAQTIIRGSIKTTMTVEKASPVGDGNFRNRSAPPCA
NSTVGVMKMTPLSFIPGAKITKYLGIINMFFIRETTSLREEGGVSGFLHAFIAEVFAMVRAHVAALGGNA
VVSYIMKQCVFMENPNKNQAQCLINVSGDAVVFVRESLLEVSSQOPTTNCQSSCTEGEVT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001286177

ORF Size: 3126 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.

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

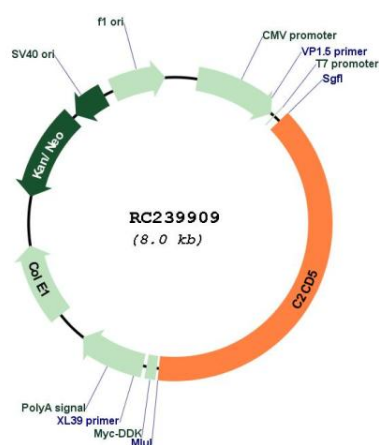
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001286177.1](#), [NP_001273106.1](#)

RefSeq Size: 4599 bp

RefSeq ORF:	3129 bp
Locus ID:	9847
UniProt ID:	<u>Q86YS7</u>
Cytogenetics:	12p12.1
MW:	115.4 kDa
Gene Summary:	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]

Product images:



Circular map for RC239909