

Product datasheet for RC239920

KIAA0528 (C2CD5) (NM_001286175) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0528 (C2CD5) (NM_001286175) 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:	>RC239920 representing NM_001286175 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCCAGGGAAGCTGAAGGTGAAAATCGTGCCGGGCGCCATTTGCCAGTGATGGACCGTGCTAGTGACC
 TGACTGATGCCTTCGTGGAGGTAAAATTTGGTAATACCACCTTTAAACAGATGTGTACCTTAAGTCACT
 CAACCCTCAGTGGAACCTCGGAGTGGTTTAAATTTGAGGTGGATGATGAAGACTTACAAGATGAACCTTTA
 CAGATCACAGTTCTTGACCATGATACTACAGTGCAAATGATGCCATTGGTAAAGGTACATTGATATTG
 ATCCTTTACTGTATAGTGAAGCTGCAACAGTCATCTCAGGATGGTTTCCAATTTATGACACCATACATGG
 TATCCGTGGGGAATCAATGTAGTTGTCAAAGTAGACCTTTCAATGATTTAAATCGATTTAGGCAGTCA
 TCATGTGGAGTCAAATCTTTTGCACAACGTCTATTCCAAAATGCTATAGAGCTGTGATAATTATGGAT
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 ACTCACAACAGCCCAATTCACACTGCTACTGGCTCAGACTTACTCAGAACTTCTGTGTCTGTTCCCA
 CTCTCATCTATACTGGAATGGGAAGTGGTAGTGCTGGAAGAAAGAGGGGGCCCTTTAAAGCTCTTTTAAAG
 ACAACAGACTCAATCAGCGTTGGAACAGAGGGAATTTCCATTTTTTACCTTGACGGCATTTCCTCTGGA
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 CCTTTGTCGGAATTATGGGTAAACACAAGATCTTACAACTGCTAGACTGGAATAGTTTCAATTCAGATGA
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GCTCATCTCACATATTGCTATAACTGCAGGAAACAAAAAGTTCCTGATGTTCTGTTTACAACATATAGACC
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TGAATCTGACTTGAAGTGGTGTCTCAGCAACCTACTACCACTGCCAGTCATCATGTACTGAAGGC
GAAGTTACAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239920 representing NM_001286175

Red=Cloning site Green=Tags(s)

MPGKLVKIVAGRHLVPMDRASDLTDAFVEVKFGNTTFKTDVYLKSLNPQWSEWFKFEVDDDELQDEPL
QITVLDHDTYSANDAIGKVYIDIDPLLYSEAATVISGWFIYDTIHGIRGEINVVKVDFLNDLNRFRQS
SCGVKFFCTTSIPKCYRAVYIHGFVEELVYNEDPEYQWIDRIRTPRASNEARQRLISLMSGELQRKIGLK
VLEMRGNAVVGYLQCFDLEGESGLVVRAIGTACTLDKLSPPAFLPACNSPSKEMKESPLVHPPSHGCRS
THNSPIHTATGSRLTQNFVSVPTLIYTGMSGSGAGKEGGPFKALLRQQTQSALEQREFPFFTLTAFPPG
FLVHVGGVVSARSVKLLDRIHNPFAVGMGNTRSYKLLDWSNFSNDEPETRDAWWAEIRQEIKSHAKALG
CHAVVGYSESTSICEEVCILSASGTAAVLNPRFLQDGTVEGCLQRLLENLPTRCGFCHIPYDELNMPFP
AHLTYCYNCRKQKVPDVLFTTIDLPTDATVIGKGCLIQARLCRLKKAQAEANATAISNLLPFMEYEVHT
QLMNKLLKGMNALFGLRIQITVGENMLMGLASATGVYLAALPTPGGIQIAGKTPNDGSYEQHISHMQKK
INDTIAKNKELYEINPEISEEIIIGSPIPEPRQRSRLRSQSESSDEVTELDLSHGKKDAFVLEIDDTDA
MEDVHSLTDPVPPSGFYSCNTEIMPGINNWTSIEMFTSVRVIRLSSLNLTNQALNKNFNDLCENLLKS
LYFKLRSMIPCCLVHNFVTVSLPEDELIQVTVTAITFDKNQALQTTKTPVEKSLQRASTDNEELLQFP
LELCSDSLPSHPFPFAKEHLESASSNSGIPAAQRDRCSWIELIKLKAQTIIRRSIKTTMTVEKASPVGD
GNFRNRSAPPCANSTVGVMKMTPLSFIPGAKITKYLGIINMFFIRETTSLREEGGVSGFLHAFIAEVFAM
VRAHVAALGGNAVVSIMKQCVFMENPNKNQAQCLINVSGDAVVFVRESDELVVSSQQTNTNCSSCTEG
EVT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001286175

ORF Size: 3162 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.

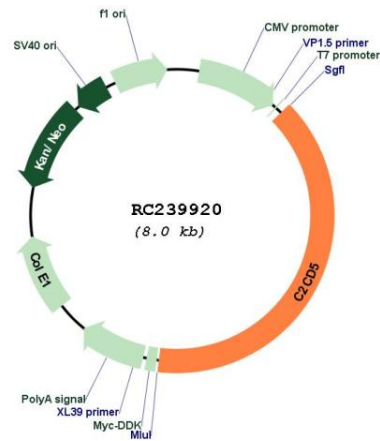
RefSeq: [NM_001286175.1](#), [NP_001273104.1](#)

RefSeq Size: 4635 bp

RefSeq ORF: 3165 bp

Locus ID:	9847
UniProt ID:	Q86YS7
Cytogenetics:	12p12.1
MW:	116.9 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 RC239920