

Product datasheet for **SC127515**

KIAA0528 (C2CD5) (NM_014802) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0528 (C2CD5) (NM_014802) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIAA0528
Synonyms:	CDP138; KIAA0528
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014802, the custom clone sequence may differ by one or more nucleotides

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ATGCCAGGGAAGCTGAAGGTGAAAATCGTGGCCGGGCCCATTTGCCAGTGATGGACCGTGCTAGTGACC
TGACTGATGCCTTCGTGGAGGTAAAAATTTGGTAATACCACCTTTAAACAGATGTGTACCTTAAGTCACT
CAACCCTCAGTGGAACCTCGGAGTGGTTTAAATTTGAGGTGGATGATGAAGACTTACAAGATGAACCTTTA
CAGATCACAGTTCTTGACCATGATACTTACAGTGCAAATGATGCCATTGGTAAAGTGTACATTGATATTG
ATCCTTTACTGTATAGTGAAGCTGCAACAGTCATCTCAGGATGGTTTCCAATTTATGACACCATACATGG
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GGCACAGTGTCTATAAATGTAAGTGGTGTGATGCAGTGGTTTTTGTTCGTGAATCTGACTAGAAGTGGTG
TCATCTCAGCAACCTACTACCAACTGCCAGTCATCATGTACTGAAGGCGAAGTTACAACCTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014802 unedited
 TTTTGTATACGACTCATATAGGCGGCNCGCAATTGCGACGAGGCCGCCCTCTCCGGA
 ATGAGGTCTCAGCACCCGCGCGGGACAGCACCTTCTCTGCGACAGAGCCCAAGAAGA
 GGCCGAAACCGAGACCATGCCAGGGAAGCTGAAGGTGAAAATCGTGGCCGGGCGCCATTT
 GCCAGTGATGGACCGTGTAGTGACCTGACTGATGCCTTCGTGGAGGTAAAATTTGGTAA
 TACCACCTTTAAAACAGATGTGTACCTTAAGTCACTCAACCCTCAGTGGAACCTCGGAGTG
 GTTTAAATTTGAGGTGGATGATGAAGACTTACAAATATGAACCTTTACAGATCACAGTTC
 TTGACCATGATACTTACAGTGCAAATGATGCCATTGGTAAAGTGTACATTGATATTGATC
 CTTTACTGTATAGTGAAGCTGCAACAGTCATCTCAGGATGGTTTCCAATTTATGACACCA
 TACATGGTATCCGTGGGAAATCAATGTAGTTGTCAAAGTAGACCTCTTCAATGATTTAA
 ATCGATTTAGGCAGTCATCATGTGGAGTCAAAATCTTTTGCAACAGTCTATTCCAAAT
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 AGAGGAATGCAGTTGTTGGGTACTTACAGTGTTTCGATCTGGAGGGCGAGTCTGGGTTT
 ATGGTGCGAGCCATAGAACGCCGTGACTCTGGAATAATTAAAGTACCCAGCACCATCN
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 GCATGGATGNCNGNTGGACTTACAACAGCCCAATTNACAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014802 unedited
 CCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCTCAGGTTGTAACCTCG
 CCTTCAGTACATGATGACTGGCAGTTGGTAGTAGGTTGCTGAGATGACACCACTTCTAAG
 TCAGATTCACGAACAAAAACCACTGCGTCACCACTTACATTTATAAGACACTGTGCCTGG
 TTTTATTTGGATTCTCCATGAAGACACACTGCTTCATTATGTAGGAGACAACAGCATTC
 CCTCCTAATGCAGCAACATGAGCTCTCACCATTGCAAACTTCAGCAATAAAAGCATGG
 AGAAAAACCACTGACTCCTCCTTCTCCCGAAGAGAAGTAGTCTCTCGAATAAAAAACATG
 TTAATTATCCCAAGATACTTAGTTATTTTTGCTCCAGGAATAAAAGAAAGAGGTGTCATC
 TTAACAACCCCACTGTGGAATTTGCACAAGGTGGAGCAGAACGATTCCGGAAATTTCCA
 TCACCCACTGGACTTGCTTTTCACTGTCATGGTTGTCTTAATTGATCCACGCCTTATG
 GTCTGAGCTTTTCAGTTTAAATGAGCTCTATCCAGCTGCTGCATCTGTCTGCAAGGAAGT
 ANTCAACTGACGTTGCTCTCTGTGCAGCTGGTATACCTGAGTTAGAACTTGCACTCTCCA
 GGTGTTCTTTANCTGGTGAAAAGGATGANAAGAAAGTATTCTGACCACAGTCCAGTGG
 AAATGTAAAAAGTCTTCATATCCTGTTGAGCTCTTTCATGACTTTTACAGGGGTTTTT
 GTGGTTTGTAAAGCCTGATTTTGTCAAAGGGATGCCACTGCCGACTGTAACCTGATATT
 CATCTCAGCANAAATCTGAAAATTTACTGCCAAGCCCAAGGATCTAAATCGTATTAAGTA
 AAGGTTTTGACAAATTTCCAGAAATTTAAGTCTTATTGAACCTGATATCAGGTGAGGCGC
 TTATTGATACTTACTGACGAACCTTGTTT

Restriction Sites:

NotI-NotI

ACCN:

NM_014802

Insert Size:

3180 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.
RefSeq:	<u>NM_014802.1, NP_055617.1</u>
RefSeq Size:	4430 bp
RefSeq ORF:	3003 bp
Locus ID:	9847
UniProt ID:	<u>Q86YS7</u>
Cytogenetics:	12p12.1
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] Transcript Variant: This variant (6) lacks two alternate exons, but maintains the reading frame, compared to variant 1. The encoded isoform (e) is shorter than isoform a.