

Product datasheet for MC224762

Dennd4c (NM_001081014) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dennd4c (NM_001081014) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dennd4c
Synonyms: 1700065A05Rik; AA420392; RP24-468M3.1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224762 representing NM_001081014
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGATAGAAGACAAGGACCTAGAGTGACAGACTACTTCGTTGTGGCAGGTCTCACTGATACATCCACTC
 TTTTGGATCAAGAAATAAATCGTACAGATACTAACTCGATTGGTCTAAAGCTCCAATCACAGACATTGC
 TGTTATTATCAAATCAGCTGGGAAACTGTACCTGAAGGCTACACCTGTGTGGAAGCCACTCCATCAGCA
 CTCCAAGCAAACCTGAATTATGGAAGTCTGAAGAGCCAGAGCTTTTCTGTGCTACAGGAGAGGGAGAG
 ATAAGCCGCCCTTACAGATATTGGCGTCTATATGAAGGAAAGAAAGGCTTATGCCAGGATGTGAAGT
 GATCCAAGCCACGCCGTACGGCCGCTGTGCCAATGTCAACAATAGTTCAACTACTTCTCAAAGAATCTTT
 ATCACCTATCGAAGGGCTCCCCAGTGGCGTCCAGAAATTCCTTGGCCGCTCACTGATATCTGTGTTATTA
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 GGGTTCCAACGTGTTTCTGTGTTACAAGAAGTCTGTGCCTGCTTCAAATGCAATAGCATATAAGGCTGGT
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 TTCTATGGGAGCCACTATTGAATGCTGGGATCCTCAAATCAAATACCCACTTCTGTTTTCTCAACATT
 TGTCTGACAGGGTCTTACGCTGAAAAGGTATATGGAGCTGCCATCCAGTTTTATGAACCTTACTCTCAA
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 AACCCATCAATCAAACAAGTGCATTTGTTGCTTTACACTGGCCTTTTTTTGAAGCTTTTAAGAATTT
 TCTTATGTTTATCTACAAAGTTTCTGTGCTGGACCACATCCTCTTCCCATTGAAAAGCACATTTACAT
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 CATTTATATTATCACAGCCAGTGTCCACACCTTACCATTAAGTGGCGCCAACCTTAGCTCCTTGCTGAT
 GAATCTGGGTCTGAGAACTGCGGACATTGCTGCTGCTGGTTTTGCTCGAGAGTAAGATTCTGCTGCAC
 TCTCTGAGGCCAGCGTACTAACTGGGGTAGCCGAAGCTGTCGTTGCTATGATCTTCCATTTCACTGGC
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 TGGAGTGGACTCAAGTACTTTGATCTTATGACCCACCACAAGATGTTGTCTGCATTGACTTGGATACG
 AACACATTATATGTAGCTGATGAAAAGAACAATAAACTGGAAGCAGCTTCCAAAAGGCCGTGCAAGA



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GTCTGCTTGGCACCCTGAGGAGGCTGTATCAGCAGCTCTGCTCAGTTCACCGAAAACCTCAAGAAAGTTC
 AGCAATTGAGATGACTCCAATTGAAGCAGATTACTCTTGGCAAAAAAGATGACACAATTGGAGATGGAA
 ATTCAGGAGACATTTTTGCGATTTATGGCGTCTATTTTAAAAGGGTACAGGTCATATCTCAGACCAATCA
 CAGAAGCTCCTTCTAATAAAGCCACAGCTGCGGATTCATTGTTTATGATCGACAGGGTTTTTTGAAAAGTCG
 GGATCGTGCCATACAAAATTCTATACTCTTTATCCAAAACACAGATTTTTATTCGTTTCATTGAAGAA
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 GCTCCTCAGAATGCTGCATGTGGAAGTGATGGGGACACAGTGAGCCATGGTAGTGTGGATAGTTCTAACG
 ATGCTAACAAATGGGGAGCACACAGTCTTCGTCAGAGACTTAATCAGCCTTGATTCATTGATAATCACTC
 TAGCACAGGCGGTGAGTCTGACCAGGGCTACGGGTCTAAGGATGAGCTGGTAAAGGAGGGTGCAGATGGT
 CACGCCCTGAAGAGCACAGCCACCAGAGCTGACGACCACAGAGCTGCACATCGAAGAGGAGTGTGATA
 TATCTGCCATTGTCTCAAAACACCTGCAGCCTACTCCTGAACCTCAGAGTCTACGGAGCCTCCTGCATG
 GGGCAAGCAGTATTGTGAAAGTTCCATCTGGGTTATTTGATACCAACAATAGGACAAGTACTGGTAGTACT
 TCAACTGTGCTATTTTTCTCAAGCTCCAGTCCAGGATGAGTCTTTCAGTGAGGTTACTAATTTCAAGA
 AGAATGGTGATAGAGGAGAGAAAAACAGAAGCATTTCCTGAGAGGAGCTGTAGCTTTAGTTCTGAAAAG
 TCGAGCGGGGATGCTGCTTAAGAAGAGCAGTTTGGACCTGAATTCAGCGAAAATGGCCATCATGATGGGA
 GCAGATGCCAAGATCCTCACAGCAGCACTGACATGTCCTAAGACTTCCCCGCTCATGTCACAAGAACTC
 ACAGCTTTGAGAAATGTTAACTGTCATCTAGCTGACAGTAGGACTCGCATGTCAGAAGGCACCCGGGATTC
 TGAGCACAGATCATCTCCTGTGCTAGAGATGCTGGAGGAAAGCCAGGAGCTCCTGGAGCCTGTGGTTGGT
 GATAATGTGGCAGAGACTGCGGCAGAGATGACGTGTAACAGTCTACAAAGTAACAGTACAGTGACCAGT
 CCAGAGACACACAAGCTGGAGCCCAAGATCCAGTGAACAAGAGGAGCAGTTCATATGCTACTAGGAAAGC
 CATTGAGAGGGGAGATGTGGAGACGGGACTAGATCCGTTGTCTTTTAGCCACTGAATGTGTAGAAAAA
 ACGTCTGATTCTGAAGATAAGTTATTTTCTCCAGTAATTTACGTAATCTGGCTGATGAAATTGAAAGTT
 ACATGAACCTAAAAAGCCCACTAGGCAGTAAATCTTGTAGTATGGAATTGCATGGAGAGGGGAACCAGGA
 GCCTGGCTCTCCTGTGTGTTTGTCTCACCTTTAGAAAGGAGCTCGAGTCTGCCTTCAGACCGTGGCCCG
 CCAGCACGAGACAGCACCAGACTGAGAAGAGCTCCCCTGCTGTGTCCAGCTCTAAAACCTGACTGGGC
 GTTTCAAGCCACAGAGTCTTACCGCGTTACAAAGACCGGTCCACTTCCCTATCAGCATTAGTACGTTCT
 TTCACCAAACAGTCTCTGGGTTCTGTAGTCAATCTCTATCGGGGCTAAAGTTGGACAATATACTCTCA
 GGGCCCAAGATAGATGTCTAAAATCTAGTATGAAACAAGCAGCAACGGTGGCCAGTAAGATGTGGGTGG
 CTGTAGCATCTGCCTATAGCTACTCAGATGACGAGGAGGAACTAATAAAGATTACAGTTTCCCAGCTGG
 CCTAGAAGACCATCATATAGTGGGAGAGACTCTGTGCGCTAACACAAGTGTCTCAGGGTTGGTTCCAGT
 GAACTGACCCAGAGCAACACAAGCCTCGGCAGTAGTAGCAGCAGTGGAGACGTTGAAAAACTGCAGTGTC
 CAGCAGGTGAAGTTCCATTTTCAAGAAATACAAAGGGCAGGACTTTGAAAAGTCAAGACCATGGTTCTTC
 TCAGAATACCAGTATGTCTAGCATCTATCAAAATGTGCGATGGAGGTTTTGATGTCGAGTTGCTCACAG
 TGCAGAGCTTGTGGCGCTCTGGTTATGATGAGGAAATCATGGCTGGATGGACAGCAGATGACTCAAATT
 TGAATACAACCTGCCGTTCTGTAAAAGCAACTCTTGCCTCTTCTCAATGTAGAATTTAAAGACCTGCC
 AGGCTCTGCCAGTTAGTATTGTGCAAGCTCCCTGGGAGGTGAGTGCCTGAAGACATGGAGAGGGTGG
 CCTCTCCTTTGTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001081014
Insert Size:	4848 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:	<ol style="list-style-type: none">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_001081014.1</u> , <u>NP_001074483.1</u>
RefSeq Size:	5648 bp
RefSeq ORF:	4848 bp
Locus ID:	329877
Cytogenetics:	4 C4
Gene Summary:	Guanine nucleotide exchange factor (GEF) activating RAB10. Promotes the exchange of GDP to GTP, converting inactive GDP-bound RAB10 into its active GTP-bound form. Thereby, stimulates SLC2A4/GLUT4 glucose transporter-enriched vesicles delivery to the plasma membrane in response to insulin.[UniProtKB/Swiss-Prot Function]