

Product datasheet for **MC216672**

Ccdc47 (NM_026009) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc47 (NM_026009) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc47
Synonyms:	2610204L23Rik; asp4; C88307; calumin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216672 representing NM_026009
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGCCTTCTATGCTTTCTGTGTGGTCTCTTGGTGTGGGAGTGTCTCGGAAGCCAAGTTTGATG
 ATTTGGAAGATGAGGAAGACATAGTAGAGTATGATGATAATGATTTTGGTGTGGGAGTGTCTCGGAAGCCAAGTTTGATG
 AGATTCTGTTACGGAGTGCCTCAGCGAGTGATCAGCACTGAAGATGACGAGGACGAGGCCACCGTGGAG
 TTGGAAGGGCAGGATGAAAGCCAAGAAGGTGATTTGGAAGATGCAGATACCCAGGAGGGAGATACAGAAA
 GTGAGCCATATGATGATGAGGAATTTGAGGGTTATGAAGACAAACCAGATACCTCTTCTAACAAAAATAA
 AGATCCAATAACAATTGTTGATGTTCTGCACACCTCCAGAACAGTTGGGAGAGTTATTACCTAGAAATT
 TTGATGGTACTGGTCTGCTTGCCTATATCATGAACTACATCATTGGGAAGAATAAAAACAGCCGACTTG
 CTCAGGCCTGGTTAACTCTCATAGAGAGCTTTTGGAGAGCAATTTTACATTAGTGGGGGATGATGGGAC
 TAACAAAGAAGCCACAAGCACAGGGAAGTTGAATCAGGAGAATGAGCACATCTATAACCTGTGGTGTCT
 GGCCGAGTGTGCTGTGAAGGCATGCTTATCCAGCTGAGGTTCCCTAAGAGACAAGACTTACTTAATGTCC
 TGGCCCGATGATGAGGCCAGTGTGATCAAGTGCAAATAAAAGTAACATGAATGACGAGGACATGGA
 CACATACGTGTTTGTGTGCGCACTCGCAAAGCTTTGCTGCGACTACAGAAAAGAGATGCAGGATCTGAGT
 GAGTTTTCAGTGTATAACCAAAGTCTGGAGCAAAGTATGGACTGCCAGACTCTTTGGCCATTCTGTGAG
 AAATGGGAGAAGTACAGAGGGAATGATGGATACAAAGATGGTTCATTTTCTTACACACTATGCTGATAA
 GATTGAATCTGTTCAATTTTTCAGACCAGTCTCTGGTCCAAGATTATGCAAGAGGAAGGCCAGCCTTTA
 AAGCTGCCTGACACCAAGAGGACGCTACTGTTTACATTTAATGTGCTGGCTCAGGTAACACATACCCAA
 AGGATATGGAGTCTTTGCTACCCCTGATGAACATGGTGAATTTATCTATCGATAAAGCCAAAAAGTTCCG
 ACTCAACAGAGAAGGGAACAAAAAGCAGATAAGAACCGGGCTCGTGTGGAAGAGAATTTTCTGAAGCTG
 ACACATGTGCAGAGACAGGAGGCTGCACAGTCTCGGCGTGAGGAGAAAAAAGAGCTGAGAAGGAGCGGA
 TCATGAACGAGGAGACCCTGAGAAACAGCGCAGGCTGGAAGAAGCTGCTTTGAGGAGAGAACAAAAAGAA
 GTTGGAGAAGAAGCAAATGAAAATGAAACAAATCAAAGTAAAGCCATG**TAG**

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_026009

Insert Size: 1452 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: [NM_026009.2](#), [NP_080285.2](#)

RefSeq Size: 3270 bp

RefSeq ORF: 1452 bp

Locus ID: 67163

UniProt ID: [Q9D024](#)

Cytogenetics: 11 E1

Gene Summary: Involved in the regulation of calcium ion homeostasis in the endoplasmic reticulum (By similarity). Required for proper protein degradation via the ERAD pathway. Has an essential role in the maintenance of endoplasmic reticulum organization during embryogenesis (PubMed:25009997).[UniProtKB/Swiss-Prot Function]