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Product datasheet for RN206895

Ccdc47 (NM_001013974) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc47 (NM_001013974) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc47
Synonyms:	RGD1308813
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>RN206895 representing NM_001013974
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAAGCCTTCTGTGCTTTCTGTGTTGTTCTCTTGGTGTTTGGGAGTGTCTCTGAAGCCAAGTTTGATG
ATTTCGAGGATGAGGAAGACATAGTAGAGTATGATGATAATGATTTTGCTGAGTTTGAGGACGTCGTGGA
AGATTCTGTTACGGAATCTCCTCAGCGAGTGATCAACACTGAAGATGACGAGGATGAGGCCACCGTGGAA
TTGGAAGGGCAGGATGAAGGCCAAGAAGGCGATTTCGAAGATGCAGATACCCAGGAGGGAGATACAGAAA
GTGAGCCATATGATGACGAAGAATTTGAGGGTTATGAAGACAAACCTGATACCTCTTCTAACAAAAATAA
AGATCCAATAACAATTGTTGATGTTCCTGCACACCTCCAGAACAGTTGGGAGAGTTATTACCTAGAAATT
TTGATGGTGACCGGTCTGCTTGCCTATATCATGAACTATATCATCGGGAAGAATAAAAACAGCCGACTTG
CTCAGGCCTGGTTTAACTCTCATAGAGAGCTTTTGGAGAGCAATTTTACCTTAGTGGGGGATGATGGGAC
TAACAAAGAAGCCACAAGCACAGGGAAGTTGAACCAGGAGAATGAGCACATCTATAACCTGTGGTGTTCT
GGCCGAGTGTGCTGTGAAGGCATGCTCATCCAGCTGAGGTTCCTGAAGAGACAAGACTTACTTAACGTCC
TGGCCCGGATGATGAGGCCAGTGAGTGATCAGGTGCAAATAAAAGTCACAATGAACGACGAGGACATGGA
TACATACGTGTTCGCTGTCGGCACTCGCAAAGCTTTGCTGCGACTGCAGAAAGAGATGCAGGATCTGAGT
GAGTTTTGTAGTGATAAACCTAAGTCTGGAGCGAAGTATGGACTGCCAGACTCTTTGGCCATTCTGTCAG
AGATGGGAGAAGTCACAGAGGGGATGATGGATACAAAGATGGTTCACTTTCTTACACACTATGCTGATAA
GATTGAATCTGTTCATTTTTCAGACCAGTTCTCTGGTCCAAAGATTATGCAAGAGGAAGGGCAGCCTTTA
AAGCTGCCTGACACCAAGAGGACACTACTGTTTACATTTAATGTGCCTGGCTCAGGTAACACGTACCCAA
AGGATATGGAGGCTTTGCTACCCCTGATGAACATGGTGATTTATTCTATCGATAAAGCCAAAAAGTTCCG
CCTCAACAGAGAAGGCAAACAAAAAGCAGATAAGAACCGGGCACGCGTGGAAGAGAACTTTCTGAAGCTG
ACACATGTACAGAGACAGGAGGCTGCACAGTCTCGGCGTGAGGAGAAGAAAAGAGCTGAGAAGGAGCGGA
TCATGAATGAGGAGGACCCTGAAAAGCAGCGCAGGCTGGAGGAAGCGGCTTTGAGGAGAGAACAAAAGAA
GTTGGAGAAGAAGCAAATGAAAATGAAACAAATCAAAGTGAAAGCCATGTAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001013974

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_001013974.1, NP_001013996.1
RefSeq Size:	3289 bp
RefSeq ORF:	1452 bp
Locus ID:	303606
UniProt ID:	Q5U2X6
Cytogenetics:	10q32.1
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 (By similarity).[UniProtKB/Swiss-Prot Function]