

Product datasheet for **MC223900**

Ccdc136 (NM_145574) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ccdc136 (NM_145574) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ccdc136
Synonyms: 4921511K06Rik; BC006583
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223900 representing NM_145574
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCAAGCATCGGGCCTGAGCCTGACAGAGACAGAGCTGGAGGAGCTGAGGGCCAGGTGCTGCAGC
 TGGTGGCAGAGCTGGAGGAGACCCGTGAGCTTGTGGGCAGCATGAAGATGACTCCCTGGAGCTTCAGGG
 GCTCCTGGAGGATGAGCGCTGGCCAGTGCCAGCAAGCAGAAGTATTCACCAAGCAGATTCAGCAGCTC
 CAAGGTGAGCTGCAACATCTACGGGAGGAGATTTCCCTGTTAGAGCATGAGAAGGAAAGCGAACTTAAAG
 AAATGGAGCAGGAGTTGCATTTGGCCAAAGCAGAGATCCAAAATCTACGGCAAGCTGCGGCAGACTCTGC
 CACTGAACATGAGAGTGACATAGCGTCTTGCAGGATGATCTCTGCCGTTGCAGAATGATCTCGATGAC
 ATGGAGCGCATTCGAGGGGACTATGAGATGGAGATTGCCTCGCTCCGGGCAGAAATGGAATTGAAGACTT
 CTGAACCATCTAATCTAAGCATCTCCGACTTCTCTGGGATACAAGATGAACACACCATCTTCGGGAGCG
 CTACAACCTACTGAATGAGGAGTATCAGGCCTTGGGGAGAGCAACAGCAGCCTCACAGGGCAGCTTGCT
 GAGCTGGAGAGTGATAGGACACGGAGAGCAACAGAGCGATGGTTGGAATCTCACCTGCTACGGATACGA
 TGTCTCCGAGTCTCAGACGTGAGAACTGGATTTCCAGAGCCTGACCCTGTGATGCAGCTTTTGGCCCA
 GCAGCTGCTGGGAGCTGAGGAACAGATGCAGGACATGCAGGACAAGTGAAGAATTTGATTGTGAATTG
 GAAGAGCTACAGCATCACCGCAGAACAGTGAGGAGGAGCAGAAGCGGCTGCAGAGGGAGCTCAAGTGTG
 CCCAGAATGAGGTGCTCCGGTTTCAGACCTCCACAGCACCCAGCATGAGGAGCTGAAGAGCAGGCTCTG
 TACCCTGCAGCAGAAGTATGACGCTAGCCAGGACGAGCACAGTGAGCTTCTGAAGGTGCAGATGCAGCTC
 GAGACTGAGCTCCAGCAGCTCAGACTCCTCAGATGCACTCCTGTAGAGAGCCAGAGTGAGAAGGAGTTGA
 TGTGCCGCTCCAGAAGCTGCAGGCCAGCACCAGTGCAAGTGAATGAGAAAGAGCAGCTTCTAGAAGT
 CCAGCATCACCTGCACGACAAGCTGCGGTGCCACGAGTCAGAGGTGCATCGGCTCCGAAGCATGGTGGAC
 TGCTTGCAGAGAAAAATGAGAAGAATTCAGGGATACACCTCCAGCTTCAGGAGATGAAGGGATTGTATC
 AGTTCAGCAGGGATGAGCTGGAGCGCCAGAAGCAGATGTATGACCAGCTGGAGCAGGACTTCCTGCCTG
 CCAGCAGGAGCTGACAGAGCTCAAGTCCAGCCAGTCCCTCTGTGAAGAGAATGAAAAGTGCCTCAAACAAG
 TGTGATGCTCTGCTGGCCAGACTGACAGAATTGCAGGACAAGTTCAAAGCCAGCCAGGAGGAGATTGGGC



ACCTGCAGATGGAACAGTGTGAGCTCCTGGAGGACCAGAGGAGGCTGCAGGAGGAGCAGGGCCAGCTGCA
 GGAAGAGCTGCACAGGCTCACATCCCACAGCCAAATGTGGCATCTTGCAGAAGAGTCAGGAGCTGCTT
 TCAAAGCTGCAAGATCTGTGTGAAATGCAGCTGCTCTACCAAAACATGCAGGAGCAACAGCGAAAGCTGA
 CAAAAACCAGGAGTGTGTACTGAAGGAGCAGCTAGAGGCACACAAGCATCTTCGAGGTTTCAAAGAGTC
 TCATTTCCAGGAAGTGTGGCGAACCCCAAGATGCTAGAGGGCCTAAGTCTCCAGTTGTGAGAATAAG
 TTCAAGGTGCTTATGGACCAGCTGCAGGCTCTGCAGGTGCTATATGACACCAGTCAGAAACAGCAGGAGG
 TACTGCAGCGGGAGCATGGGCGGCTCATGGAGGAGCGGAAGAGGCTGCAGGCTGAGCTACAGCTCTGCAT
 GGAAGAAATGCAGGTGCTCCAACTCAGTCCCCATGATAAAAAGGAGTTTTGAGTACTGCGGGAAGAAC
 TCAGGCAGCAGGGCCCCAGCACTGAGAACTTCCACAGGAGTTACGAGAGCTCCATTGATGAAAATGAGG
 GCTATCAGAAGAGTTATGTGAGCTCCCAGCCAGCACTGAAACCTTCTCAAGAGCTATGACAGTAGCAC
 CAGTGCCAACGAGGCCTTTGAGAAGAGTTACTGCTCCAGCAGCACAAGTGTGAGCTATAAGAAGAGTTAT
 GGCTCTGTCAGTAGTGGTGTGAGACCCTTACAGGAGCTATGCCAGCAGCAGTACTGATGAGGACCCAGCTG
 AGCCTGAAGACTTGGAGCACTTTGAGGAAACAGTGGCCAAGGTGCTGACCAAGTTCAGGCAGTGAAGGC
 CCTGTACCAAGTGTGAGCCAGGAAGAGCACTGCCAGCTGCAGCAACGGATGCACAGGCTGCTGGCCAAGCAG
 AAGGAGCTCACAGAGGAGCTGCAGTGTGCGAGAAGGAGCTGAGGGAGTGCATGGAGAGCCTGGGGAAGC
 CCCTGCCTCCCCAGAGTGACAAGTGCAGATCAAGAAGTGCAAACTAAGCTGCGGGAGCTGCAGCTGCA
 GTACCAGGCTAGCATGGATGAGCAGGGGCGGCTTCTGGCCGTGCAGGAGCAGCTGGAGGGCAGCTGCAG
 TGCTGCCAGGAAGAACTCCGCCAGCTCAAAGAAAACAGGCCCTCTATTAGCTCAGAAGCCAGGGGCAAGA
 ATGTCAATAAGAAATGAACAAGAAATGCCAATGGAGTTAGAAAATAAGAAGCTGAGCATGGCGTGTCTAGA
 GGATTTGGAGAACGGTTTTGAGAATGAAAAGAACATGTTTGGATGTGGAAGCCTATGGTTTTCTTGGCT
 ATTGCAGCAGTAGCTCTGTATGTGTTACCAATATGCGACCGCAGGAATCAGAATACTACATGAAGTGA

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_145574
- Insert Size:** 3009 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_145574.3](#), [NP_663549.3](#)
- RefSeq Size:** 3507 bp
- RefSeq ORF:** 3009 bp
- Locus ID:** 232664

UniProt ID: [Q3TVA9](#)

Cytogenetics: 6 A3.3

Gene Summary: May play a role in acrosome formation in spermatogenesis and in fertilization.
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) differs in the 5' UTR and has multiple coding region differences, compared to variant 3. These differences cause translation initiation at a downstream AUG and result in an isoform (1) with a shorter N-terminus, compared to isoform 3.