

Product datasheet for **RG234085**

CCDC136 (NM_001201372) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC136 (NM_001201372) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC136
Synonyms:	NAG6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG234085 representing NM_001201372 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGAGGCGGGCGCGGAGCCGGCGCGGGAGCCGCGGGCTGGAGCTGCCGGGCCAGGACCCACAGTGA
 CCACTCTAGGCTCCTATGAGGCTTCGAGGGCTGTGAGAGGAAGAAGGGCCAACGCTGGGGTCCCTGGA
 ACGACGGGGATGCAAGCTATGGAGGGGAGGTGTTACTCCAGCTCTCTATGAGGAGGAAGAGGAAGAG
 GAAGAGGAGGAAGAAGAGGTGGAAGAAGAAGAACAAGTGCAGAAAGGTGGCAGTGTGGCTCTCTGT
 CAGTCAACAAGCACCGGGGACTGAGCCTCACGGAGACAGAGCTGGAGGAGCTGCGGGCTCAGGTGCTGCA
 GCTGGTGGCAGAACTGGAGGAGACCCGGGAATGGCAGGGCAGCATGAGGATGACTCCTTGAGACTACAG
 GGGCTCCTGGAGGATGAACGGCTAGCCAGCGCCAGCAGGCAGAGGTGTTACCAAGCAGATCCAGCAGC
 TCCAAGGTGAGCTGCGTTCTCTACGGGAGGAGATTTCCCTGTTAGAGCATGAGAAAGAAAGCAACTTAA
 GGAAATAGAACAGGAATTGCATTTGGCCAGGCTGAGATCCAGAGTCTGCGGCAAGCAGCAGAGGATTCC
 GCAACTGAACATGAGAGTGACATAGCATCCCTGCAGGAGGATCTCTGCCGGATGCAGAATGAACTGAAG
 ACATGGAACGCATTTCGGGAGATTATGAGATGGAGATCGCTCCCTCCGTGCAGAAATGGAATGAAGAG
 CTCTGAACCATCCGAAGAACTGCAGGAGCTGCGGGAACGCTACCATTTCTGAATGAGGAATACCGGGCC
 CTGCAGGAGAGCAACAGCAGCCTCACGGGCAGCTTGCAGATCTGGAGAGTGAGAGGACACAGAGAGCAA
 CAGAGAGATGGCTGCAGTCCCAAACACTGAGTATGACGTACGAGAGTCTCAGACTTCAGAAATGGATT
 CTTAGAGCCTGATCCTGAAATGCAGTTGTACGGCAGCAGCTACGGGATGCTGAAGAGCAGATGCATGGC
 ATGAAGAACAAGTGTGAGGAATTGTGTTGTGAGTTGGAAGAGCTACAGCATCATCGCCAGGTCAGTGAGG
 AGGAGCAGAGGCGGCTGCAGAGGGAGCTCAAGTGTGCTCAGAATGAGGTGCTTCGGTTTCAGACCTCCCA
 CAGTGTCAACCCAGTCATCCCCTACCCCCAATCCCCCATCTTCTCCTTGCTCTTGAGGCTGGTGGTC
 ATCTCGGCTTTGCTCTGGTGCTGGTGGGCTGAGACGTCGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG234085 representing NM_001201372
 Red=Cloning site Green=Tags(s)

MEAGAGAGAGAAGWSCP GPGPTVTTLGSYEASEGCERKKGQRWGSLERRGMQAMEGEVLLPAL YEEEEEE
 EEEEEVEEEEEQVQKGSVGSLSVNKHRLSLTETEEELRAQVLQLVALEEETREL AQHEDDSLELQ
 GLLEDERLASAQAEVFTKQIQQLQGLRSLREEISLLEHEKESELKEIEQELHLAQAEIQSLRQAAEDS
 ATEHESDIASLQEDLCRMQNELEDMERIRGDYEMEIASLRAEMEMKSSEPSEELQELRERYHFLNEEYRA
 LQESNSSLTGQLADLESERTQRATERWLQSQTLSMTSAESQTSMDFLPDPEMQLLRQQLRDAEEQM HG
 MKNKCQELCCELEELQHHRQVSEEEQRRLQRELKCAQNEVLRFTSHSVTQSSPTPNPPIFSLPLVGLLV
 ISALLWCWWAETSS

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001201372

ORF Size: 1302 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001201372.2](#)

RefSeq Size: 1729 bp

RefSeq ORF: 1305 bp

Locus ID: 64753

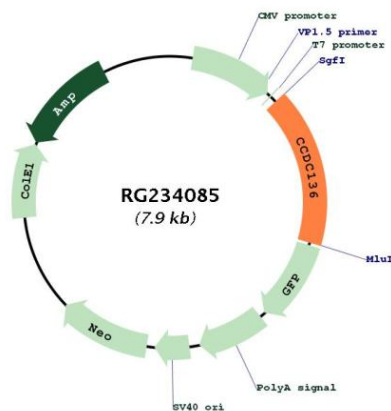
UniProt ID: [Q96JN2](#)

Cytogenetics: 7q32.1

Protein Families: Druggable Genome, Transmembrane

Gene Summary: May play a role in acrosome formation in spermatogenesis and in fertilization.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234085