

Product datasheet for **RG226834**

CCDC113 (NM_001142302) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CCDC113
Synonyms:	HSPC065
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG226834 representing NM_001142302
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTGATGATGAGTCCGAGAGCGTCTCTCCGACTCCCATGAAGGGTCGGAGCTGGAGCTGCCTGTTA
TCCAGCTGTGCGGGCTGGTGGAGGAGCTCAGCTATGTAACTCTGCTCTCAAACTGAGACTGAGATGTT
TGAGAAATATTACGCTAACTGGAGCCAGGGATCAGCGACCTCCACGATTATCAGAAATTTAAATATCA
GCAGCAGATTATGCACAGGCGATCATTGAGGAGGCTGAAATTCGATGGAGTGAAGTTTCGAGAGAAGTGC
ATGAGTTTGAAAAAGATATTCTAAAAGCCATATCCAAGAAGAAAGGGAGTATTTTGGCCACTCAGAAAGT
GATGAAATACATTGAGGACATGAACCGCCGAGGGATAATATGAAGGAGAAATTACGTTTAAAAATGTT
TCTCTCAAAGTTCAGAGGAAAAAATGCTTTTACAATTGAGGCAGAAGGAAGAGGTGAGTGAGGCCCTTC
ACGATGTTGATTTTCAGCAGTTGAAGATAGAGAACGCTCAATTTCTGAGACAATTGAAGCAAGGAATCA
AGAACTGACCCAGCTAAAGCTGTCATCTGGAAACACTCTGCAGTTCTCAATGCCTACAAAAGCAAGCTT
CACAAGGCAATGGAATATACCTCAATCTGGACAAGGAGATCTTGCTGAGAAAAAGAGCTACTTGAAGAAA
TTGAAAAAGAACTACAAGTAGAGGAGGACCGGGCCAAAGCCGAGGCAGTGAATAAGAGGCTCCGGAA
GCAGCTGGCCGAGTTCGGGCACACAGGTGATGACTTACGTCCGGGAGAAGATCTTAAATGCGGACCTG
GAGAAGAGCATCAGGATGTGGGAAAGGAAAGTGGAGATAGCAGAGATGCTCTTAAAGGCCATCGTAAGG
CTTGAAATCGAATGAAAATAACCAATGAGCAGTTGCAGGCAGATTACCTTGCTGGGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG226834 representing NM_001142302
Red=Cloning site Green=Tags(s)

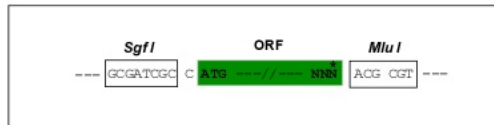
MTDDESESVLSDSHEGSELELPVIQLCGLVEELSYVNSALKTETEMFEKYYAKLEPRDQRPRLSEIKIS
AADYAQAIIEEAEIRWSEVSREVHEFEKDILKAISKKKGSILATQKVMKYIEDMNRNRDNMKEKLRKNV
SLKVQRKKMLLQLRQKEEVSEALHDVDFQQLKIENAFLETIEARNQELTQLKLSSGNTLQVLNAYKSKL
HKAMEIYLNLDKEILLRKELLEKIEKETLQVEEDRAKAEAVNKRLRKQLAEFRAPQVMTYVREKILNADL
EKSIRMWERKVEIAEMSLKGHRKAWNRMKITNEQLQADYLAGK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGCGCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCGCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGCCGCGGAGCT

- - E E R V Stop

ACCN: NM_001142302

ORF Size: 969 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001142302.1](#), [NP_001135774.1](#)

RefSeq Size: 5142 bp

RefSeq ORF: 972 bp

Locus ID: 29070

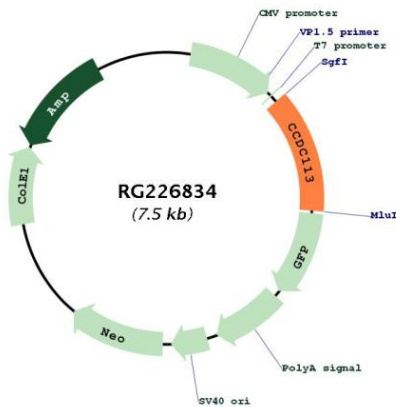
UniProt ID: [Q9H0I3](#)

Cytogenetics: 16q21

Protein Families: Druggable Genome

Gene Summary: Component of centriolar satellites contributing to primary cilium formation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG226834