

Product datasheet for **RG205865**

CCDC107 (NM_174923) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC107 (NM_174923) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC107
Synonyms:	PSEC0222
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205865 representing NM_174923 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGCGCAGTTTCGCTCTTGGGTGTGGTGGGGCTGCTGCTTGTGTCTGCGCTGTCCGGGTCTAG
GAGACCGCGCAATCCCGACCTCCGGGCACACCCAGGGAACGCAGCCACCCCGGCTCTGGAGCCACGGA
ACCCCGGGCGGCGACCGCTCAAGGATCAACGCGAGCGGACCCGGGCCGGTCTGCTGCCTCTGGGGCG
CTGTACACCGCGCCGTCGCGGCTTTTGTGCTGTACAAGTGTTCAGGGGAAAGATGAACTGCGGTTT
TCCACGAGGAGGCAAGCAAGCAGCAGCCACTGCAGTCAGAGCAACAGCTGGCCAGTTGACACAACAGCT
GGCCAGACAGAGCAGCACCTGAACAACCTGATGGCCAGCTGGACCCCTTTTGTAGCGTGTGACTACT
CTGGCTGGAGCCAGCAGGAGCTTCTGAACATGAAGCTATGGACCATCCACGAGCTGCTGCAAGATAGCA
AGCCGGACAAGGATATGGAGGCTTCAGAACAGGTGAAGGCTCGGGAGGCGAGTCTGCTGGAGGTGGAGA
CAAAGTCTCTGAACTGGAACATTCCTGATCTCTCCACACAGAGGCCAGCAGACCTCTTCTGAGGAC
TTCTGTTTAAAGGAGGACGAGGAGGAGTTGGTGACAGTCAGGCCTGGGAGGAGCCACAACTGGAGCA
CAGAGACATGGAACCTAGCTACTTCTGGGAGGTGGGGCGGGGACTACGAGAAGGTGCAGCCAGGCTGT
GGCAAAGGGCCCCAGTCACAGCCTTGGCTGGGAAGGAGGACGACAGCTGAAGTTCGACTAAAACAAAGT
CTGTTTTCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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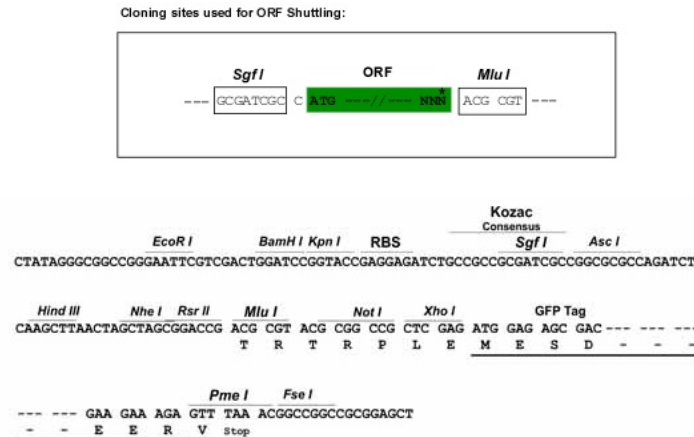
Protein Sequence: >RG205865 representing NM_174923
 Red=Cloning site Green=Tags(s)

MAGAVSLLGVVGLLLVSALSGVLGDRANPDLRAHPGNAHPGSGATEPRRRPPLKDQRRERTRAGSLPLGA
 LYTAAVAFAVLKCLQGKDETAHLHEEASKQPLQSEQLAQLTQQLAQTEQHLNNLMAQLDPLFERVTT
 LAGAQQELLNMKLWTIHELLQDSKPDKMEASEPGEGSGGESAGGGDKVSETGTFLISPHTEASRPLPED
 FCLKEDDEEVGDSQAWEEPTNWTETWNLATSWEVGRGLRRRCSQAVAKGPSHSLGWEGGTTAEGRLKQS
 LFS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_174923

ORF Size: 851 bp

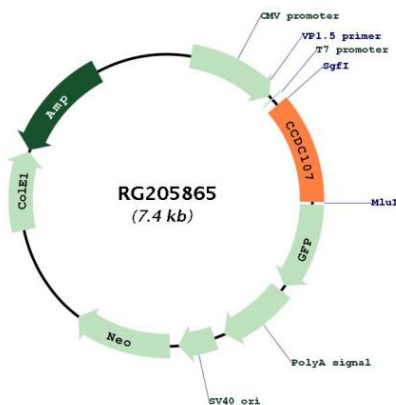
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_174923.1, NP_777583.1</u>
RefSeq Size:	936 bp
RefSeq ORF:	852 bp
Locus ID:	203260
UniProt ID:	<u>Q8WV48</u>
Cytogenetics:	9p13.3
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a membrane protein which contains a coiled-coil domain in the central region. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2013]

Product images:



Circular map for RG205865