

Product datasheet for **RG224874**

CCDC108 (CFAP65) (NM_152389) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CCDC108 (CFAP65) (NM_152389) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CFAP65
Synonyms: CCDC108; SPGF40
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG224874 representing NM_152389
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGCTACCCAGGCTCCAAGCTCCGTCGTGAGGTCCAGGAACAGCAGGAACACACCGTGAACCTG
 GTGGATCTGCCTGAGTGCCAGCACAGTGGCCATCCCTGCCATCAACGACAGCAGTGCAGCCATGAGTGC
 CTGCAGCACCATCAGCGCCAGCCGCAAGCTCCATGGACTCAGATGCACTCCCAAAGAAGCAGGAG
 AGAGTGAACAAGAGGGTCATCTGGGCAATTGAGGTGGCTGAGGAGCTGCATTGAAAGGCTGGGAGCTAG
 GAAAGGAGACCACAAGGAATCTGGTTCTGAAAAATCGATCCTTGAAGTCCAGAAGTGAAGTACAGGTA
 CCAGTATAAGGGATCAAGGACCCAGTGCCACAGCCTTGAGCCCGAAAGCAGGCTCTCTTCAAAACAAA
 CAAAACAAAACAAAAAACCTTTAACATGCCATATAAAAGCCAGTGAGTGTTTAAATACGTGCAGTATG
 AA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224874 representing NM_152389
 Red=Cloning site Green=Tags(s)

MMLTQAPSSVVRSRNSRNHTVNSGGSCLSASTVAIPAINDSSAAMSACSTISAQPASSMDTQMHSPPKQE
 RVNKRVIWGIIEVAEELHWKGWELGKETTRNLVLKNRSLKQKMKYRYQYKGSRTQCHSLEPRKQALFKTK
 QNKQKPLTCHIKASECLKYVQYE

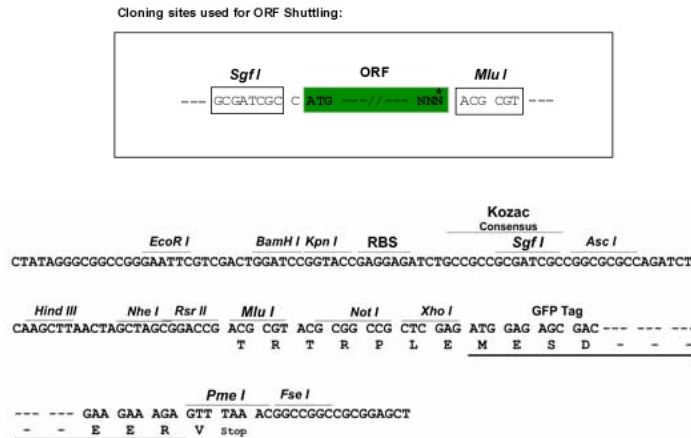
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

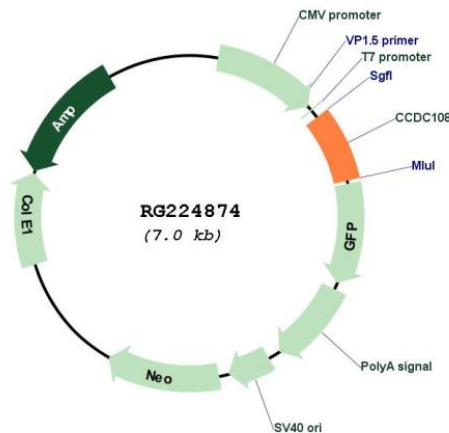


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Cloning Scheme:



Plasmid Map:



ACCN: NM_152389

ORF Size: 492 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:	<ol style="list-style-type: none">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:	<u>NM_152389.4</u>
RefSeq Size:	2290 bp
RefSeq ORF:	495 bp
Locus ID:	255101
UniProt ID:	<u>Q6ZU64</u>
Cytogenetics:	2q35
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene has putative coiled-coil domains and may be a transmembrane protein. The chicken ortholog of this gene is involved in the Rose-comb mutation, which is a large chromosome inversion, resulting in altered comb morphology and defects in sperm motility. [provided by RefSeq, Aug 2016]