

Product datasheet for **RG207167**

CCDC65 (NM_033124) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC65 (NM_033124) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC65
Synonyms:	CFAP250; DRC2; FAP250; NYD-SP28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207167 representing NM_033124
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCTAAGAAAGAAAAATGGCCAAGACGCCCTGTCCGATGAGAAGCAGCTGCTTCTGTTTCAGCAGA
 AGTTGCTGGCAGAGGAGAGATGGCCAAAAAGAAGGAGAGGCTCCTCAGCCAGTTCTTGAAGGACAAGCT
 GGCCAAGGAGGAACACAACAGTGTCTGAACCTTAATAAGATTAACACACAGTGGAGAAGCTGCCTTCGG
 GAAGTCAAGACCAGAGAAGCTTATAAGGACATTGAGATCCTCAGCCAAACATTTGAACGAGTGGTGGACT
 GTAAGGACAATGTCATCAAGTCTTTAGCTAAAGACCTGTCCGAAGCCGAGGAGCAGTACGCCATGCCCT
 GCGCAGCCACTTGCACAATGTTGACCAGCTCTTGGCCCTGCAGAGGCACCGGCTCAGTCTCCTGGAGGAA
 AGTTACAACATGGAGCTGGAAGCCCTAACCAAGGAGTTTGAGACAGAAAGGAAGACAATTATTGACCAAC
 ATGAGAAAGAGATTCATCTGCAAGATATCTCATGGCCATGGAGCAGAACTATATAGATTCTGAGTA
 TGAAGCAAGCTGGAGTCCAGAGCATGTGAATGATCTCAAAAACATGAATTTAGAAGAGAAGCACTTT
 CTAAGACTGCACCTGGAGAACAGAGTAGAAGATCTGTGGAGAAAGTCCAGGATGTACTCAAGAATTACA
 CTGATGCCACAGAGGATCGAAAGGCTGCCTTTGAGACCCTGCAGGTGAAGGATGAGAAGAGCTCCAAAGA
 GATTGAAGTACAGATGAAAAAATACAGAACTACAGGATGCCATAACTATTTCAAAAGGCAAGATCATG
 ATACACAGCCGTGAGAGTGAAGATGAGAACCGGTATATCCGTAATGACAAGGAATTGGTCTTGTACAAC
 TGCGAAAACTTAAGGCCCAAAGAAGCTCAGGCCCGGCAGCATCCCAGAAGAACTTAGTCAGACTCACCT
 GAAAGTAAATGCCACCCTCAAGGCCCTGAGAAAGATTGTTGATAAGGGTGAAAAGATCCTTAAACTTGCT
 GAAATATGTAGGAAATTTGAAACCGAAGAAGAAAAAGTGTGCCTTTTATTATCATCAGTATTGACTCCTA
 AGGAGCAGGAGGGGATTCAGAAGAATAATCTAGAAGAGCTTACTGAGGAGCTCACAAGGTGAGTGGTA
 CTACATAGGAATGGAGAATTTCTGGAAAAGGTACAACAAAGTGAAGTGGAGCAACTGAGCCTCCAACAT
 AGACGAGCCAGCTGCTAGATATCAATGGGAAGCTGCGGGAGATGCTGAAGCAGTACTTGGATGGCATCT
 CAGTGAGTGACGAAGTGTGAGCCAGCTCAACCCACTCTTTATAGTCAACTATCAAGCAACTTACTCCA
 GCCCTTGCCATACGTATAGCCATCCAGGTGATAAACAACATCCAACCACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207167 representing NM_033124
 Red=Cloning site Green=Tags(s)

MPKKEKMAKTPLSDEKQLLLFQQKLLAEEMAKKKERLLSQFLKDKLAKEEHNSALNLNKINTQWRTVLR
 EVKTRELHKDIEILSQTFERVVDCKDNVIKSLAKDLSEAEQYAHALRSHLHNVDQLLALQRHRLSLEE
 SYNMELEALTKEFETERKTIIDQHEKEIHYLQDIFMAMEQNYIDSEYESKLEFQSMWDLKMNLEEKHF
 LRLHLENRVEDLWRKFQDVLKNYTDATEDRKAAFETLQVKDEKSSKEIEVQMKKIQKLQDAITISKGKIM
 IHSRESEDENRYIRNDKELVLVQLRKLKAQRTQARAASQKNLVRLTLESNATLKALRKIVDKGEKILKLA
 EICRKFETEEKVLPHYSSVLPKEQEGIQKNNLEELTEELTKVMVDYIGMENFWKRYNKVKLEQLSLQH
 RRAQLLDINGKLREMLKQYLDGIVSDEVLSQLNPLFIVNYQSNLLQPLSIRIAHPGDKQHPPT

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_033124

ORF Size: 1452 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_033124.5](#)

RefSeq Size: 1798 bp

RefSeq ORF: 1455 bp

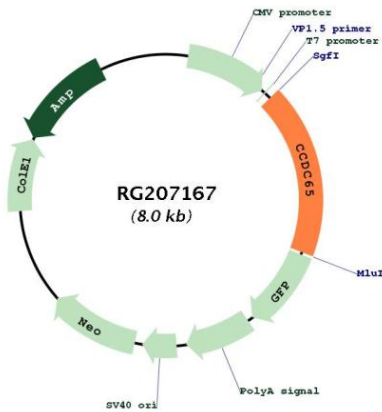
Locus ID: 85478

UniProt ID: [Q8IXS2](#)

Cytogenetics: 12q13.12

Gene Summary: This gene encodes a sperm tail protein that is highly expressed in adult testis, spermatocytes and spermatids. The protein plays a critical role in the assembly of the nexin-dynein regulatory complex. Mutations in this gene result in primary ciliary dyskinesia. [provided by RefSeq, Nov 2013]

Product images:



Circular map for RG207167