

Product datasheet for **RG211330**

CCDC27 (NM_152492) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC27 (NM_152492) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG211330 representing NM_152492
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTCGAGGCCATCTTCCCTCCACACCCCAAGCCAGGCTGAAGAGAGATCCACGGGAAAAGCCGGGCC
 TGTCTCATTAGGTCCACATTCAGGCAACAAAGCTCACTTGGTCTTTCATCCCACGCCTCATGTTACC
 TAAGGAGGCCAGCCGTCTGAGAGGCACAGTTCGATGTCCAGCTCGATGGCCAGGGCCCTGGTGCTCCTC
 CAGAGCATGGCCAGCCGGGACGCCCGGTGCCAGAATGGAAACCGCACCAAAAAGCCACGCACGCTCAGCA
 AGTCGGTCCAGACCATCAGCCGCTACTACAGGAAGACGAGTGAACCAAGGATGCCGCCAGCCTCACCGG
 CTTTCATGTCCAAAATGAACTTCGAAGGGTCTTCCCCACGCATCCTGACTGCCCCAGTTTCAGCACCAGG
 GCCACATCCATGTCCACTGTGGTTCACCCACTGAGGCCGATTTGTCCGGAGAGATTGACAACAGCTCGG
 AGACCTGGAGAGGCACCCAGGACCTGTTCTTGGCCAGGCGGGCTCAGACACGAACGTGGACGGGTACCT
 CCTTCCCTTCAGTAAGAGCATCTGCGAGTTCGATTACTTGCAGGAGGAGAAAAATCCAGACTTTGAGT
 CCGGTCACCAGCAGCTCAGTCGCATCTCAGAGCTGCCTGAGAAAGAGGATGCCCTGGTACCTCTCAGTCA
 TCCACGAGAAGGATCACTGCCTGTCTGAGCTGGAGATACAGGTTTCAAGAAAGACGAGGAGATCCTGCT
 GCTCCAGGAGGAGAGGGAGGCCCTGAAGACGCAGCTGAAATGCCTTCTGAAAGGCAAAGGCCAAGAGACA
 TCCATGTCCCCAGGCAGGAGGGAGCAGCTCAGACGCTTCGCTGAAGCTGGGCAGGCTGAGCCTCCTGA
 AGGCCTTCTCCAGACATGAGGAGGAGCTGCAGCACTGGTGGCAGATGCAGGAGGAGTCTGCGGCACCCGA
 GAGGGCAAGGAGCCCGACCTGGGAGGTGGCGAGGAGGACGAGGGCTGGAAGGGGAGCCCGATGGGGTG
 GAGGACATGGGTGCCTGGGAGGTGTGAGCCAGATGGGATCCGTGCATGAGGAGGGAAGCGAGGAGGAGG
 AAGAGGAGGAAGGGGACAGGGATGAGACTCAGAGGAAAGGGAGCTGCCGAGGAAGAGGAGATCCCCAG
 GAGAAGGGCCTCCTCCCTGGCCGAGTCGTTTGGAGGAGGAGCTGCTGGCCAGCTGGAGGAGTACGAGCAG
 GTCATCCTGGACTTCCAGTTCAACCTGGAGGCCACCAGGACCAGATACTCCCTTGAACAGGAGTGATTG
 CGTCTTTACAACAACAAGTGGATTTCCAAGAAACCCAGCTGCGAAAGATCAATACGGAAAATGAGACGCT
 GCAGAAGGAGCTCCGAGAGCGGAGGCAGCAGCTACAAGCCATGACCGACAAGTTCTCCAACCTCCGAGAA
 GATAAGAAACACCAAGAGATGATGGGGCTCATTGAAAAGGACAACCAGCTCCTCCGACAGCAAGTGTCCG
 AACTGGAGAGAAAGCTCACCAAGCGGGACTGTGTATCTCAGAGTTGGACACCAAGGTGAGCCAGCTGCA
 GGAGCAGGTGAACTGGACCAGAACCACCTGCAGAGGTGGAAGCAGCTGCAGGAGGATTTGCAGAGCAAG
 AAGGAGATGATTCAGCAGGCAGAGCAGCACACCCGCGTGGCCCTGGAGAGCTCCCAGTCCAGGCTCGAGA
 GGTAAAGGAATAAGATCATCCAGGCCACCTTTAGCATCTCCGGGACCAAGTCCTTGGCCAACGAGATCTC
 TGACAATGACATCCTGGAAGCCCTGCAGAGAATTATCTCAGAGAGAAGCGACTACTATAATCAGTGAAG
 CAGAAAGGCGTCAAAGTGCCCCCTGCAACAGTCAGAGGCCCTTCTGACCAGCAATCCAAGAAGGGGA
 CCTCCAAG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211330 representing NM_152492
Red=Cloning site Green=Tags(s)

MFEAIFPSTPQARLKRDPREKPLSSFRSTFRQQSSLGLCIPRLMLPKEASPSERHSSMSSSMARALVLL
 QSMASRDARCPWKPHQKPRTLKSVQTI SRYRKTSEPKDAASLTGFMSKMELRRVFPHPDCPQFSTR
 ATSMSHCGSPTEADLSGEIDNSSETWRGTQDLFLARRGSDTNVDGYLLPFSKSICEFDYLRKRRKSQTLS
 PVTSSSVASQSLRKRMPWYLSVIHEKDHCLSELEIQVQKKDEEILLLQEEREALKTQLKCLLKGGQET
 SMSPGRREQLSDASLKLGRLLKAFSRHEEELQHWQMQEESAAPERGKPDLLGGEEDEGLEGEFDGV
 EDMGAWGGVSVQMGVHEEGSEEEEEEGDRDEDSEERELPEEEEEIPRRRASSLAESFEEELLAQLEEYEQ
 VILDFQFNLEATRTRYSLATGVIASLQQVDFQETQLRKINTENETLQKELRERRQQLQAMTKFSNLRE
 DKKHQEMMGLIEKDNQLLRQVSELERKLTKRDCVISELDTKVSQLEQVELDQNHQQRWKQLQEDLQSK
 KEMIQQAEQHTRVALESSQSRLERLRNKIIQATFSISGKSLANEISDNDILEALQRIISERSDYNNQLK
 QKGVKVPPLQQSEAFLLSKSKKGTSK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_152492

ORF Size: 1968 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_152492.1](#), [NP_689705.1](#)

RefSeq Size: 2177 bp

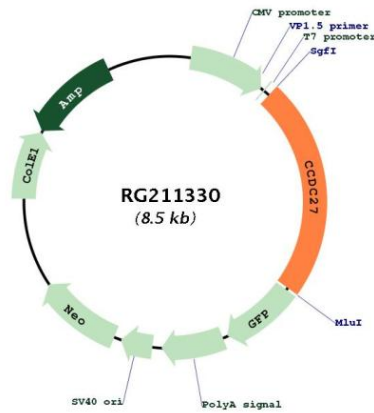
RefSeq ORF: 1971 bp

Locus ID: 148870

UniProt ID: [Q2M243](#)

Cytogenetics: 1p36.32

Product images:



Circular map for RG211330