

Product datasheet for **RG223659**

CCDC83 (NM_173556) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC83 (NM_173556) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC83
Synonyms:	CT148; HSD9; KP-CoT-23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG223659 representing NM_173556
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAACTCAGGAAAGCAAATAAAAAGGATACACATGACGGGCCACCAAAGAAATTAAGTGCCTA
 CCAGTGAAGCACTTCTAGACTATCAATGTCAAATAAAGGAAGATGCCGTGGAGCAATTCATGTTTCAAAT
 AAAGACACTTAGGAAAAAGAACCAAAAATATCATGAAAGAAATAGCCGCTTAAAAGAAGAACAGATTTGG
 CACATACGGCATCTACTAAAGAACTGAGTGAAGAGAAGCAGAGGGATTGCCAGTTGTAACAAGAGAGG
 ATGTTGAAGAAGCGATGAAGGAAAAATGGAAGTTTGAAGAGACCAGGAAAAAACTTGAGAGATATGCC
 CATGCAAATAAGTAATGCTGAGAACTATTTCTTGAGAACTCAGTGAAGGAATATTGGGAGGAGTAC
 AAGAATGTAGGGAGTGAACGACATGCTAAACTCATTACCTCCTTACAAAATGACATCAACACAGTTAAAG
 AGAATGCAGAGAAAAATGCAGAACACTATAAAATCACTCTGGAAGATACTAGAAAAGAAATAATCAAGGA
 AACTTTGTGCAACTGGACAAAAGAAGGAATGGGCCACACAGAATGCTGTAAGCTCATTGACAAGGGC
 AGTTATCTAGAGATCTGGGAGAAATGACTGGCTCAAAAAAGAGGTTGCAATTCACAGGAAGGAAGTTGAAG
 AATTAATAAATGCTATTCATGAACTGGAAGCAGAAAAATTTGGTGCTTATTGATCAACTATCCAAGTGTAG
 ACTTGTGGATCTCAAGATACCCAGGTATCCAGTGTACATTCTGTCCCACCTCTAATCCTCGTCATCTG
 CTGCTGCTGCCTTTGGAATCATGTCTAATCTCTGCCAGGCGTTGCTGGCGACTATATCTTACCCAAGCTG
 CTGGACTAGAAGTGCCACCTGAAGAAATGTCTTTGGAATTGCCAGAAACACATATAGAAGAGAAGTCAGA
 ATTGCAACCCACAGAAGTAGAAAGTAGAGACTTGATGTCTCATCAGATGAGAGCACTATCTTACATCTT
 AGTCATGAAAAATGCATCGAAGATCTCCAGTATGTGAAGATAGATAAAGAGGAAAACTCAGGCACAGAGT
 TTGGGGACACTGATATGAAGTACTTACTATATGAGGATGAGAAGGATTTCAAGGATTATGTAACCTGGG
 CCCCTGGGAGTGAAGCTTATGAGTGTGGAGAGCAAGAAAAATGCCATTCAATTTTCAAGAGAAGGAATT
 CCAGTCAAACCTCTATAAAGATGTGAGGAGCCAGAAAGCCACATCACATATAAGATGATGAAGTCTTTTC
 TC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG223659 representing NM_173556
 Red=Cloning site Green=Tags(s)

MENSGKANKKTDHGGPPKEIKLPTSEALLDYQCQIKEDAVEQFMFQIKTLRKKKNQKYHERNSRLKEEQIW
 HIRHLLKELSEEKAEGLPVVTREDVEEAMKEKWKFERDQEKNLRDMRMQISNAEKLFLKLESEKEYWEEY
 KNVGSRHAKLITSLQNDINTVKENAEMSEHYKITLEDTRKKI IKETLLQLDQKKEWATQNAVKLIDKG
 SYLEIWENDWLKKEVAIHRKEVEELKNAIHELEAENLVLIDQLSNCRLVDLKIIPRYVVLHSCPTSNPRHL
 LLLPLESCLISARRCWRLYL TQAAGLEVPPPEEMSLELPETHIEEKSELQPTVESRDLMSSEDESTILHL
 SHENSIEDLQYVKIDKEENSGTEFGDMDKYLLEYDEKDFKDYVNLGPLGVKLMSVESKMP IHFQEKEI
 PVKLYKDVRSPEHITYKMMKSFL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_173556

ORF Size: 1332 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_173556.5](#)

RefSeq Size: 2346 bp

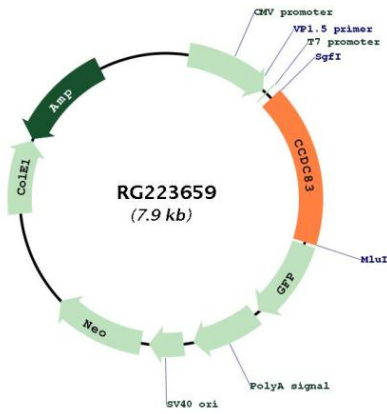
RefSeq ORF: 1335 bp

Locus ID: 220047

UniProt ID: [Q8IWF9](#)

Cytogenetics: 11q14.1-q14.2

Product images:



Circular map for RG223659