

Product datasheet for **RG219099**

CCDC173 (NM_001085447) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC173 (NM_001085447) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC173
Synonyms:	C2orf77
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG219099 representing NM_001085447
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACACCTCGTCAGAGATGCTGGTACGGTTTGGACGGCGCTGTGGACGGCGAAGGAAAGTACAGAAA
 TAAGAACTCTGAAGAAGATCAAGTTCTCTATCTGCCTCTTCTACCTAGCAAAGTAGATCTCCAGCAGGT
 CACCATAATTCCACACGATGAGTGGAAAAGGATTCAAGATAGCCTTGACAGGTTGACAAGAGAAGCAGCA
 TGCCCTCCGTGCAGAAAGAAAGGCAAAGAAAGAAATGCATTTGCGATCTCAAGAAGTGGTAAACACTGGA
 CTAATACATATGCAGGGATGAAAGAACAGAAACTTGAAGCCAAAAAGAAGCGTGTGAAGAAATAGAGGC
 AGAAAGACAAATCTTGATCTGGAAGAAGAAATATACAAACAAGGAAAAAGAAAAAGGCCATTGAAAT
 GCAAAGCAATATCAATTTTACCAGACAGAAAGAGTAAAAACTTTCATTCGGGACTTCTTCTTAGTAGAG
 TTATGAAAGAACGTGATGCCAGATTGAATTCGAAAAGAGTAAGATAAAATCAGATAAAAAATGGGAGGA
 ACAGTTGAAACTCAACATTGAAAAAGCTTTTAAAGAAGAACAAGAAAAAGCAGAAAAACGACACAGAGAA
 AGGGTGGCTCTTGCCAAAGATCATCTAAAACAAATAAAGGAACATGAGGAAGAAGAGGAAAGAAGGAAAA
 AATATGAAGAAAAAGATGCTGAGGAAATAAAGCGACAGAATGCATTATATGAAATTGAAATGAGAAAAAA
 ACTAGAAAAGAAAAGAGAAGAGATGCATGAAAGCAGGAGACGGTTTCTTGAACATATGCAGGATAAACAT
 ATTATCAAAGCTGTAGAACAGCAGCAGCAAGAGGAAGAAGATGAAAAGATGAGAAAAATTCATCAAAGCAA
 AAAAGCGTCTTATACAAATGGGGAAGAAAAAGAGGCTGAAACACACAGGCTTATGGAGAAACGAAGAGA
 AAGAATACATAACTTCTGAGTGAAGTGTGAAAGAGAACTTGACAATGAAGATATGATTATTGCTAGA
 GATATTCAGAGAAGCTGAGGCTGAATGGGAAAAAGAGAAAAGAGAAAAAGATGAAAAAACAAAGCAGAAT
 TAAAAACAATTGCAGAATATCGAGCCATTGTGATGAAAAATAAAGAGGAAGAAGAAAGACAAAGAAAAAT
 AGAGGCTAAAGAACAATTGCTGGCTGTCAAGGAGGATGAAAGCAGATCAGATTTTCTGGGAACATGAAAAGGAGAAA
 AAATGCAAAGCTGATAAAGAACATCAAGAGGTTCAAGATGCCCATATTCAGCAAATGGCCAAAAATAAGT
 TTAATGCAAAGCAAGCAAAAACAGCAGAAATAGATTATTGCAGACTTACTGAAGCTCTTGTGGCTGAAAA
 GGAGAAAGAAATTCAGGACTATGCCAGAGAGGTAATTGAAGTGAATCGGAAACAACAAATAAATATATT
 TACCCTCTGTAAAAGCTGTACAGGAAGGACCTGGAGGTGGCCGTGGACCAGTGTGTTGGACAGAGGTG
 GATTAAGACCCAGCTATCAGGCAATGATGTTACTGGAGTCCAGTCCCTTTTTATAACTCTCAGGGACC
 AAAATATAATTTTCAAAGTCAAAGAGAAGGCTAGGTTTTACATGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG219099 representing NM_001085447
 Red=Cloning site Green=Tags(s)

MDTSSEMLVRFGRRCRAKEESTEIRNSEEDQVLYLPLPSKVDLQQVTIIPHDEWKRIQDSLDRLTREAA
 CLRAERKAKKEMHLRSQEVVKHWTNTYAGMKEQKLEAKKKRDEEIEAERQILDLEEEIYKQGRKKAIEIEN
 AKQYQFYQTERVKNFHSGLLLSRVMKERDAQIEFRKSKIKSDKKWEEQLKLNIEKAFKEEQEKAEKRRHE
 RVALAKDHLKQIKEHEEEEEERRKYEKDAEEIKRQNALYEIEMRKKLEKKREEMHESRRRFLEHMQDKH
 IIKAVEQQQEEDEKMRKFIKAKKRLIQMGKEKEAETHRLMEKRRERIHNFLSELLKEKLDNEDMIAR
 DIAEAEAEWEKREREREKDEKNKAEKTIAYRAIVMKNKEEEERQRKIEAKEQLLAVMKADQIFWEHEKEK
 KCKADKEHQEVQDAHIQQMAKNKFNKQAKQAELDYCRLTEALVAEKEKEFQDYAREVIELESETTNKYI
 YPLVKAVQEGPGRGPVFDVDRGLRPSYQANDVTGVQLPFYNSQGPKNFYQKSKRRLGFTW

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001085447

ORF Size: 1656 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_001085447.2](#)

RefSeq Size: 2187 bp

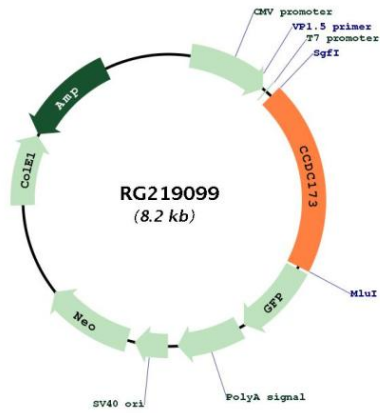
RefSeq ORF: 1659 bp

Locus ID: 129881

UniProt ID: [Q0VFZ6](#)

Cytogenetics: 2q31.1

Product images:



Circular map for RG219099