

## Product datasheet for **MG220302**

### **Ccdc27 (NM\_001033455) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ccdc27 (NM_001033455) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccdc27
Synonyms:	Gm1035
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG220302 representing NM\_001033455  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGCAGGAGAACTTGACTCAGGAATGCTGCTCCACATCCCCAAGATCAGCAAGGGCCTGATGGTGC  
 TTCAGAGCATAGCCAGCCGGGGCTGCGACACACAGGACTCAGAGAAGAAACCGCAAAGTACCCAGCAAAG  
 CCTCAAAAAGTCAAGCCAGGCGGCTGCCGATACTTCTATGACAAGGAGGACCAGATCAGAAAACCTCAGC  
 AAACACAACGGCTTTTTGTCTGAAATGGAAGATATGAGAAAAGCCTTCTCATGCGGCCTGGGTGCCCC  
 AGTTTAGTACCAGGACAACATCCATGTCTCATGTGGTTCTGCCATTATGGTTGATCTTCCAAGGACCTG  
 CTCTGGAGTTTGAAGTTGACTGAGGACCATCCCTAGGCAGGCTGGGCTCTGCCAGCAGTGTGGATGGG  
 AGGGTCTTTCCATTACAGCAAGAGTGCTTGTGAGCTCAACTACCCACGGAAGAGGAGTGAGCCTTCAGACC  
 CGAGTCCCACCGCAGCCCCACTGTGGTCAAGAAGTCCCAGAGGACCAGAACGCCCTGGTATATCTCAGT  
 CATCCATGAGAAGGATCACTCTCTGCTCCTGATGGGAGAAGAGTCCAGCGTTTCTCCGAGATGGAGAGC  
 CAGATGCAAGAAGAAAGATCAGGAGATCCTGACACTCCAGAAGGAGAAGGAGGCCCTGAAGAAGCAGCTGA  
 AGAACCTGCTCAGAGGCAAGGCCACAGAAACCTTTCAGCTTCCATCAAGATGGACCGGTCTTTGAGAC  
 GCCCTGAAGCTGGGGAGGATGAGTGTGCTGAAGACCATCTACAAGAAGAGGATGAGCTACAGCACTGG  
 ATGCAGATGCAGGAGGAATATAGCATGGCGGAGAGTAGCAAGGAGCTGCACGTGGAACAGGAAAGCGCCA  
 TAGAGGAAAAGAGCTCTGAGGGGCCACCCGAGGAGGCTGCAGCTGCCAAACTGAGCAGGCCACGCCAGAG  
 CAAGACTGAGACGCTGCTGGAGTGGGCCCCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG  
 GATGAAGCAAAAGGAAGTGAAGGAGGAGGAGATATTGGTGAATGAGGAAGAGGCATCGTGGGAGCTTCGGG  
 AGGACGAGGAATGTCACCCAAGAGGCTCTACTCCATGACGGAGTCTTTGAGGAGGAGCTGATGGCTCA  
 GCTGGAGGAGTATGAACGGATGTTGATGGACTTCCAGAGAGAGCTGGAATTCAGTCCAGATATTCC  
 CTGGCCACAGGGACCATCACATCTTTCAGCGGCAAACTGACTTCCAAGAGTCTCAGCTGCGGAAGGTCA  
 CCACGGAGAACGAGCTGCTGGAGAAGGAGCTCCGGGAACGGAAGCAGCAGATACAAGACATGACAGACAA  
 GTTCTCCAACCTCCGGGAGGAAAAGAAGCATCAGGAGATAATGGGACTCATTGAGAAGGAAAACCTGGTC  
 CTCCGACAGCAAGTTGCAGACTTGAAGATGGATCTCATCAGCAGTGAAGGACTATTAAGAGCTGAACA  
 CCCAAACCAAGAGCTGGAAGATCAGGTTAACACCGACAAGGACCACCTGAGGCGGTGGAAGGATTTGCA  
 TGACGACCTACAGACACGTAACGAGATCATCAACAGACAGGCAACAGACTCGTGTGGTCTGGAGGCC  
 ACCCAGGCCAGGTATGAGAAGCTAAGGAATAAGATCATCCAGGCTGTCTTCAGTGTGAGTGGAAACAAGA  
 ACTTGTCCATGGAACCTCTGATAGCTACATCCTGGAATCCCTGCAGAGGATCATCTCGGAGAGGAGTGA  
 CTTCTACAGTCAAGTGAAGCAAAAGGGCGTGAAGGTGCCCCACTACAGCAGTCCAGATGTCTCCCTGCCT  
 AGCAAGATCAAGAAGATGGCATCCAAG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG220302 representing NM\_001033455  
 Red=Cloning site Green=Tags(s)

MKQENLTQECCSTSPKISKGLMVLQSIASRGCDTQDSEKKPQSTQQSLKKSSQAAAGYFYDKEDQIRKLS  
 KHNGFLSEMEDMRKAFLMRPGCPQFSTRRTSMHVGSAIMVDLPRTCSGVWKLTEDHPLGRLGSASSVDG  
 RVFPFSKSAECLNYPKRSEPSDPSTGSPVVKKSQRTRTPWYISVIHEKDHSLLLMGEELQRFSEMES  
 QMQKKDQEILTLQKEKEALKKQLKNLLRGKGTETSSASIKMDRSFETPLKLRMSVLKTIYKEEDELQHW  
 MQMQEEYSMAESSKELHVEPGSAIEEKSSEGPPEEAAAALSRPSQSKTETLLEVGPPEEEEEEEEEVEG  
 DEAKGTEEGEILVNEEEASWELREDEECHKRSYSMTESFEEELMAQLEEYERMLMDFQRELEFTRSRYS  
 LATGTTISLQRQDFQESQLRKVTTENELLEKELRERKQIQDMDTKFNLREEKKHQEIMGLIEKENLV  
 LRQQVADLKMDLISSERTIKELNTQTKLELDQVNTDKDHLRRWKDLHDDLQTRNEIIQQTEQQTRVVLEA  
 TQARYEKLRNKIIQAVFSVGNKNLSMELSDSYILESLQRIISERSDFYSQLKQKQVKVPPPLQQSDVSLP  
 SKIKKMASK

**TRTRPLE** – GFP Tag – V

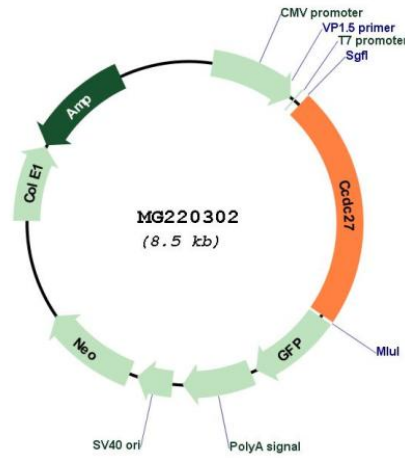
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_001033455

ORF Size: 1917 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001033455.2</a> , <a href="#">NP_001028627.1</a>
<b>RefSeq Size:</b>	2084 bp
<b>RefSeq ORF:</b>	1920 bp
<b>Locus ID:</b>	381580
<b>UniProt ID:</b>	<a href="#">Q3V036</a>
<b>Cytogenetics:</b>	4 E2