

## Product datasheet for **RC239127**

### DGLUCY (NM\_001286470) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DGLUCY (NM_001286470) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DGLUCY
Synonyms:	C14orf159
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC239127 representing NM\_001286470  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCTTACACTCCACCTGAGGTCCCGCCTTCCTCTGCCATAAGGAGTTTATTCTACAAAAGAAAC  
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 CCTTGCTCCAGCTTTTGAAGATTCTGCCAGGTCAACTGCTCTACCCCTGCTGGGCCAGAGTGAG  
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 CGAGATGATCCAGAAGCTGGTGGACGTACCACGGCACAGGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC239127 representing NM\_001286470  
 Red=Cloning site Green=Tags(s)

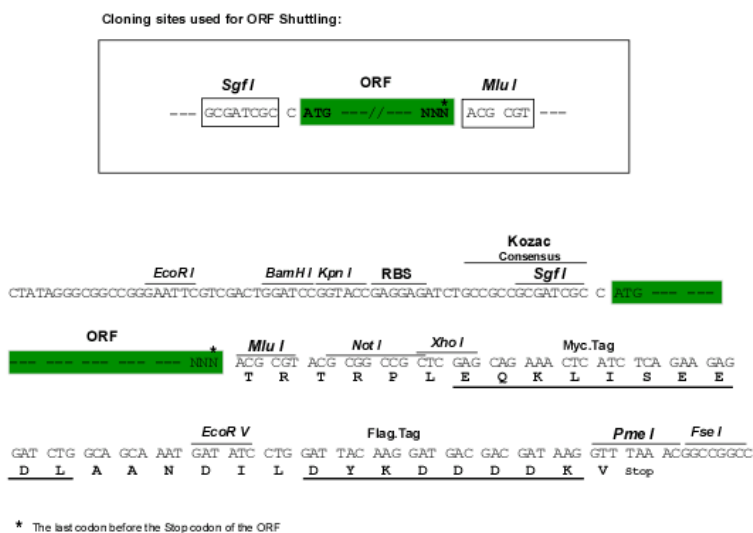
MPFTLHLRSLPSAIRSLILQKKPNIRNTSSMAGELRPASLVVLPRSLAPAFERFCQVNTGPLPLLGQSE  
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 DPAGHSQAGAYKTTVPCVTHAGFCPLVVTMRPIPDKLEGLVRACCSLGGEGQPVHMGDPELLGIKEL  
 SKPAYGDAMVCPPEVPVFWPSPLTSLGAVSSCETPLAFASIPGCTVMTDLKDAKAPPGLTPERIPEVH  
 HISQDPLHYSIASVSASQKIRELESMIGIDPGNRGIHLLCKDELLKASLSL SHARSVLITGFPPTHFNH  
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 FLCKNGDPQTPRFDHLVAIERAGRAADGNYYNARKMNIKHLVDPIDDLFLAAKKIPGISSTGVGDGNE  
 LGMGKVKEAVRRHIRHGDVIAADVEADFAVIAGVSNWGGYALACALYILYSCAVHSQYLKAVGSPRAPGD  
 QAWTQALPSVIKEEKMLGILVQHKVRSVSGIVGMEVDGLPFHNTHAEMIQKLVDTTAQV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8070\\_b07.zip](https://cdn.origene.com/chromatograms/mk8070_b07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001286470

**ORF Size:** 1863 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:**

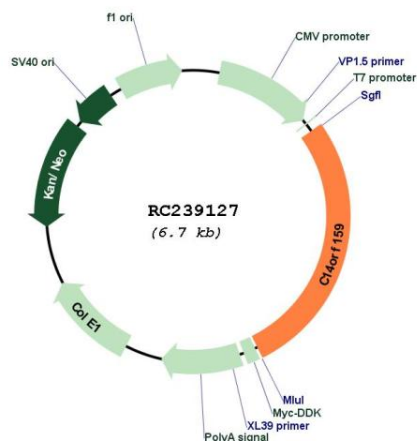
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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\\_001286470.1](#), [NP\\_001273399.1](#)

**RefSeq Size:** 3476 bp

**RefSeq ORF:** 1866 bp

**Locus ID:** 80017  
**UniProt ID:** [Q7Z3D6](#)  
**Cytogenetics:** 14q32.11  
**MW:** 66.9 kDa  
**Gene Summary:** D-glutamate cyclase that converts D-glutamate to 5-oxo-D-proline.[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for RC239127