

## Product datasheet for **RG236164**

### DGLUCY (NM\_001286473) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DGLUCY (NM\_001286473) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** DGLUCY  
**Synonyms:** C14orf159  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236164 representing NM\_001286473.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCCTTCACTCCACCTGAGGTCCCGCCTTCCCTCTGCCATAAGGAGTTTGATTCTACAAAAGAAA
CCAAACATCAGAAATACATCCAGCATGGCTGGAGAGCTCCGACCAGCCAGCCTGGTGGTCTGCCAGG
TCCCTTGCTCCAGCTTTGAAAGATTCTGCCAGGTCAACTGGTCTCTACCCCTGCTGGGCCAGAGT
GAGCCAGAAAAGTGGATGCTGCCCCCTCAAGGTGCTATCTCAGAGACCAGCCTCAGGGACCTTACAGT
GCCTGGCACAGAACCTCACTCATGACTGTTGCTCAGGAACGAGCTGCCCTCCCCTGTTCTGACTCCT
TCCCTATCACCTGGCGCCTGTCTGGCTGAGATCTTTGAGATCATGGAGAAAGTCCAGCCCTGGAGAA
ATCCCCTGGCTCTGCCATCTGTCCACTCCATCGCCCAAGCCAGAAACCCGCCTGTACAGGAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236164  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MPFTLHLRSRLPSAIRSLILQKPNIRNTSSMAGELRPASLVVLPRSLAPAFERFCQVNTGPLPLLGQS
EPEKWMLPPQGAISSETSLRDLHSAWHRTSLMTVAQERAALPTVLTSPITWRLSWLRSLRSWRKSSPGE
IPLALPSVHSIAQARNPPVQD
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** SgfI-MluI



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<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>RefSeq:</b>	<u><a href="#">NM_001286473.2</a></u>
<b>RefSeq Size:</b>	1041 bp
<b>RefSeq ORF:</b>	480 bp
<b>Locus ID:</b>	80017
<b>UniProt ID:</b>	<u><a href="#">Q7Z3D6</a></u>
<b>Cytogenetics:</b>	14q32.11
<b>MW:</b>	18.2 kDa
<b>Gene Summary:</b>	D-glutamate cyclase that converts D-glutamate to 5-oxo-D-proline.[UniProtKB/Swiss-Prot Function]