

## Product datasheet for **SC316949**

### DGLUCY (NM\_001102366) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DGLUCY (NM_001102366) Human Untagged Clone
Tag:	Tag Free
Symbol:	DGLUCY
Synonyms:	C14orf159
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC316949 representing NM\_001102366.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCCCTTCACACTCCACCTGAGGTCCCGCCTCCCTCTGCCATAAGGAGTTTATTCTACAAAAGAAA
CCAAACATCAGAAATACATCCAGCATGGCTGGAGAGCTCCGACCAGCCAGCCTGGTGGTCTGCCAGG
TCCCTTGCTCCAGCTTTTGAAGATTCTGCCAGGTCAACACTGGTCTCTACCCCTGCTGGGCCAGAGT
GAGCCAGAAAAGTGGATGCTGCCCCCTCAAGGTGCTATCTCAGAGACCAGGATGGCCATCCCCAGTTC
TGGAAATACGAGTTTCGGTGCCTGCACCGGCAGCCTGGCTTCGCTGGAGCAGTACTCGGAGCAGTGAAG
GACATGGTGGCCTTCTTCTGGGCTGCAGCTTCTCCCTGGAGGAGCCTTGGAGAAAGCGGGGCTCCCC
AGAAGAGACCCAGCAGGTACAGCCAGACAACAGTGCCTTGTGTTACCCATGCTGGCTTCTGCTGCCCT
CTGGTGGTACGATGAGGCCATTCCCAAGGACAAGCTGGAAGGGCTGGTGGGGCTGCTGCTCCCTC
GGAGTGAGCAGGGCAACCTGTTACATGGGCGACCCAGAAGTGTGGGAATCAAAGAGCTTTCCAAA
CCTGCCTACGGGGATGCCATGGTGTGTCCCCAGGGGAGGTTCCAGTGTCTGGCCTTCTCCGCTGACC
AGTCTCGGAGCTGTCAGCAGCTGTGAGACCCACTGGCTTTTGCCAGCATCCAGCTGCACAGTTATG
ACTGACCTGAAGGATGCAAAGGCTCCACCTGGTTGTCTCACCCAGAGAGAATCCAGAGGTCATCAC
ATTTCCCAAGATCCTCTGCACTACAGCATCGCGTCAGTCTCTGCTTCTCAGAAGATCAGAGAAGTAGAG
TCTATGATCGGCATAGACCCAGGGAACCGGGGATTGGGCACCTGCTCTGTAAAGATGAGCTGCTGAAG
GCCTCTCTCTCGCTGTCCCATGCCCGCTCAGTGCATCACCACTGGGTTCCCCACACATTTCAATCAT
GAGCCTCCAGAAGAGACAGATGGCCACCAGGAGCTGTTGCTCTGGTTGCCTTCTGCAGGCCTGGAG
AAGGAGTCCGCAATAATCGTTGACCAGAGAGCCTGGAACCTGCACCAGAAGATTGTTGAAGATGCTGTT
GAGCAAGGTGTTCTGAAGACGCAGATCCCGATATTAACCTACCAAGTGGATCAGTGAAGCTGCTCAG
GCATTCCTGTGCAAAAATGGGGACCGCAGACACCTAGATTTGACCACCTGGTGGCCATAGAGCGTGCC
GAAGAGCTGCTGATGGCAATTACTACAATGCAAGGAAGATGAACATCAAGCACTTGGTTGACCCATT
GACGATCTTTTTCTGCTGCGAAGAAGATTCTGGAATCTCATCAACTGGAGTCGGTATGGAGGCAAC
GAGCTTGGGATGGGTAAGTCAAGGAGGCTGTGAGGAGGCACATACGGCACGGGGATGTCATCGCTGC
GACGTGGAGGCTGACTTTGCCGTATTGCTGGTGTCTAACTGGGGAGGCTATGCCCTGGCCTGCGCA
CTCTACATCCTGTACTCATGTGCTGTCCACAGTCAGTACCTGAGGAAAGCAGTCGGACCTCCAGGGCA
CCTGGAGATCAGGCTGGACTCAGGCCCTCCCGTCGGTCATTAAGGAAGAAAAAATGCTGGGCATCTTG
GTGAGCACAAGTCCGGAGTGGCGTCTCGGGCATCGTGGGCATGGAGGTGGATGGGCTGCCCTTCCAC
AACACCCACGCCGAGATGATCCAGAAGCTGGTGGACGTACACCGGCACAGGTGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

**Restriction Sites:** Sgfl-Mlul

**Plasmid Map:** □

**ACCN:** NM\_001102366

**Insert Size:** 1851 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<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>	<u>NM_001102366.2</u>
<b>RefSeq Size:</b>	3182 bp
<b>RefSeq ORF:</b>	1851 bp
<b>Locus ID:</b>	80017
<b>UniProt ID:</b>	<u>Q7Z3D6</u>
<b>Cytogenetics:</b>	14q32.11
<b>MW:</b>	66.4 kDa
<b>Gene Summary:</b>	D-glutamate cyclase that converts D-glutamate to 5-oxo-D-proline.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the shortest isoform (a). Variants 1, 2, 3, and 7 encode the same isoform (a).