

## Product datasheet for **SC334058**

### DGLUCY (NM\_001286473) Human Untagged Clone

#### Product data:

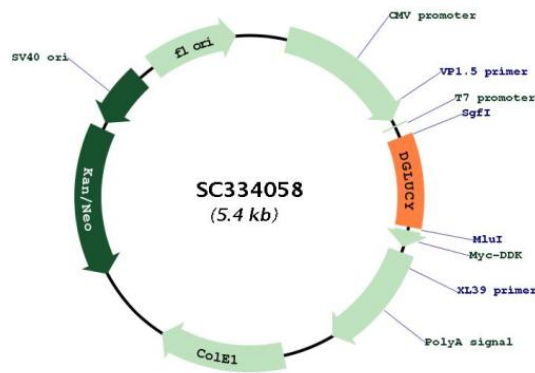
Product Type:	Expression Plasmids
Product Name:	DGLUCY (NM_001286473) Human Untagged Clone
Tag:	Tag Free
Symbol:	DGLUCY
Synonyms:	C14orf159
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC334058 representing NM_001286473. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGCCCTCACACTCCACCTGAGGTCCCGCCTCCCTCTGCCATAAGGAGTTTGATTCTACAAAAGAAA
CCAAACATCAGAAATACATCCAGCATGGCTGGAGAGCTCCGACCAGCCAGCCTGGTGGTCTGCCAGG
TCCCTTGCTCCAGCTTTGAAAGATTCTGCCAGGTCAACTGGTCTCTACCCCTGCTGGGCCAGAGT
GAGCCAGAAAAGTGGATGCTGCCCCCTCAAGGTGCTATCTCAGAGACCAGCCTCAGGGACCTTCACAGT
GCCTGGCAGAACCTCACTCATGACTGTTGCTCAGGAACGAGCTGCCCTCCCACTGTTCTGACTCCT
TCCCTATCACCTGGCGCCTGTCTGGTGAGATCTTTGAGATCATGGAGAAAGTCCAGCCCTGGAGAA
ATCCCACTGGCTCTGCCATCTGTCCACTCCATCGCCAAGCCAGAAACCCGCCTGTACAGGATTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCCGC
```

Restriction Sites: Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001286473

**Insert Size:** 480 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).

**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\\_001286473.1](https://www.ncbi.nlm.nih.gov/RefSeq/ accession/nm_001286473.1)

RefSeq Size: 1041 bp

RefSeq ORF: 480 bp

Locus ID: 80017

UniProt ID: [Q7Z3D6](#)

Cytogenetics: 14q32.11

MW: 17.7 kDa

**Gene Summary:** D-glutamate cyclase that converts D-glutamate to 5-oxo-D-proline.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (9) differs in the 5' UTR, and lacks multiple 3' coding exons and contains an alternate 3' terminal exon, resulting in a distinct 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (e) has a distinct C-terminus and is shorter than isoform a.