

Product datasheet for **SC111436**

DGLUCY (NM_024952) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DGLUCY (NM_024952) Human Untagged Clone
Tag:	Tag Free
Symbol:	DGLUCY
Synonyms:	C14orf159
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_024952, the custom clone sequence may differ by one or more nucleotides

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ATGCCCTTACACTCCACCTGAGGTCCCGCTTCCCTCTGCCATAAGGAGTTTATTCTACAAAAGAAAC
CAAACATCAGAAATACATCCAGCATGGCTGGAGAGCTCCGACCAGCCAGCCTGGTGGTCTGCCAGGTC
CCTTGCTCCAGCTTTTGAAGATTCTGCCAGGTCAACACTGGTCTCTACCCCTGCTGGGCCAGAGTGAG
CCAGAAAAGTGGATGCTGCCCCCTCAAGGTGCTATCTCAGAGACCAGGATGGGCCATCCCCAGTTCTGGA
AATACGAGTTCGGTGCCTGCACCGGCAGCCTGGCTTCGCTGGAGCAGTACTCGGAGCAGCTGAAGGACAT
GGTGGCCTTCTTCTGGGCTGCAGCTTCTCCCTGGAGGAGGCCTTGGAGAAAAGCGGGGCTCCCCAGAAGA
GACCCAGCAGGTACAGCCAGACAACAGTGCCTTGTGTTACCCATGCTGGCTTCTGCTGCCCTCTGGTGG
TCACGATGAGGCCATTCCCAAGGACAAGCTGGAAGGGCTGGTGCGGCCTGCTGCTCCCTCGGAGGTGA
GCAGGGCAACCTGTTACATGGGCGACCCAGAAGTGTGGGAATCAAAGAGCTTCCAAACCTGCCTAC
GGGGATGCCATGGTGTGTCCCCAGGGGAGGTTCCAGTGTCTGGCCTTCTCCGCTGACCAGTCTCGGAG
CTGTCAGCAGCTGTGAGACCCCACTGGCTTTTCCAGCATCCAGGCTGCACAGTTATGACTGACCTGAA
GGATGCAAAGGCTCCACCTGGTTGTCTACCCAGAGAGAATTCCAGAGGTCCATCACATTTCCCAAGAT
CCTCTGCACTACAGCATCGCGTCACTCTGCTTCTCAGAAGATCAGAGAAGTAGAGTCTATGATCGGCA
TAGACCCAGGGAACCGGGGATTGGGCACCTGCTCTGTAAGATGAGCTGCTGAAGGCCTCTCTCGCT
GTCCCATGCCCGCTCAGTGTCTATCACCCTGGGTTCCCCACACATTTCAATCATGAGCCTCCAGAAGAG
ACAGATGGCCACCAGGAGCTGTTGCTCTGTTGCCTTCTGCAGGCCTTGGAGAAGGAGGTCCGCATAA
TCGTTGACCAGAGAGCCTGGAAGTGCACCAGAAGATTGTTGAAGATGCTGTTGAGCAAGGTGTTCTGAA
GACGCAGATCCCATATTAACCTACCAAGGTGGATCAGTGAAGCTGCTCAGGCATTCTGTGCAAAAAT
GGGCACCCGACACACCTAGATTTGACCACCTGGTGGCCATAGAGCGTGCCGGAAGAGCTGCTGATGGCA
ATTACTACAATGCAAGGAAGATGAACATCAAGCACTTGGTTGACCCATTGACGATCTTTTTCTGTGCTG
GAAGAAGATTCTGGAATCTCATCAACTGGAGTGGTGTGAGGCAACGAGCTTGGGATGGGTAAGTC
AAGGAGGCTGTGAGGAGGCACATACGGCACGGGATGTCATCGCCTGCGACGTGGAGGCTGACTTTGCCG
TCATTGCTGGTGTCTAACTGGGGAGGCTATGCCCTGGCCTGCGCACTCTACATCCTGTACTCATGTGC
TGTCCACAGTCAGTACCTGAGGAAAGCAGTCGGACCCCTCCAGGGCACCTGGAGATCAGGCCTGGACTCAG
GCCCTCCCGTCCGTCATTAAGGAAGAAAAATGCTGGGCATCTTGGTGCAGCACAAGTCCGGAGTGGCG
TCTCGGCATCGTGGGCATGGAGGTGGATGGGCTGCCCTTCCACAACACCCACGCCGAGATGATCCAGAA
GCTGGTGGACGTACCACGGCACAGGTGTA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024952 unedited

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TTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGATACAAGACAACAGTGC
CTTGTTTACCCATGCTGGCTTCTGCTGCCCTTGGTGGTCACGATGAGGCCATTCCCA
AGGACAAGCTGGAAGGGCTGGTGCGGCCTGCTGCTCCCTCGGAGGTGAGCAGGGGCAAC
CTGTTACATGGGCGACCCAGAAGTGTGGGAATCAAAGAGCTTCCAAACCTGCCTACG
GGGATGCCATGGTGTGTCCCCAGGGGAGGTTCCAGTGTCTGGCCTTCTCCGCTGACCA
GTCTCGGAGCTGTGAGCAGCTGTGAGACCCCACTGGCTTTTCCAGCATCCAGGCTGCA
CAGTTATGACTGACCTGAAGGATGCAAAGGCTCCACCTGGTTGTCTACCCAGAGAGAA
TTCCAGAGGTCCATCACATTTCCCAAGATCCTCTGCACTACAGCATCGCGTCAGTCTCTG
CTTCTCAGAAGATCAGAGAAGTCTATGATCGGCATAGACCCAGGGAACCGGGNGG
ATTGGGCACCTGCTCTGTAAGATGAGCTGCTGAAGGCCTCTCTCTCGCTGTCCCATGCC
CGCTCAGTGTCTATACCACNCTGGGTTCCCCACACATTTCAATCATGAGCCTCCAGAAGA
AACAGATGGCCACANGGAGCTGTTGCTCCTGGTTGCCTTCTGAGCCTGGAAAAAAG
GAAGTCGCATAATCGTTACCAGAAGCCTGAACTTGACANAAGNATGGTAANATCTGGNNC
NNNGAGTGTCTAAAACGCAATCCGTATACTACCAAGGGGGGACAGGGGAGCTGCTAGC
CTTTCTGGCAAATGGGGACCGCAACCCTAATTGACACCA
    
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Gene Summary:

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

Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Variants 1, 2, 3, and 7 encode the same isoform (a).