

Product datasheet for **SC214464**

GCLC (NM_001498) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	GCLC (NM_001498) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	GCLC
Synonyms:	GCL; GCS; GLCL; GLCLC
ACCN:	NM_001498
Insert Size:	1445 bp



[View online »](#)

Insert Sequence: >SC214464 3'UTR clone of NM_001498
The sequence shown below is from the reference sequence of NM_001498. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGTGGAAGTAAAAGTACTCATCCAACAGACATTCTACGAAAGAAAAATGCATTATTGACGAACTGG
CTACAGTACCATGCCTCTCAGCCAGCCCGTGTGTATAATATGAAGACCAATGATAGAAGTACTGTT
TTCTGGGCCAGTGAGCCAGAAATGATTAAGGCTTTCTTTGGTAGGTAATCTAGAGTTTATACAGTGT
ACATGTACATAGTAAAGTATTTTGTATTAACAATGATTTTAAATACATATCTAAAGTCATCATGAACT
GGCTTGACATTTTTAAATTTCTACTCTGGAGCAACCTACTGTCTAAGCAGTTTTGTAATGACTGGT
AATTGTACAATACTTGCATTCCAGAGTTAAATGTTTACTGTAATTTTTGTTCTTTAAAGACTACCT
GGGACCTGATTTATTGAAATTTTTCTTTAAAAACATTTCTCTCGTTAATTTTCTTTGTCAATTTCC
TTTGTGTCTACATTAATCACTTGAATCCATTGAAAGTCTTCAAGGGTAATCTTGGGTTTCTAGCAC
CTTATCTATGATGTTTCTTTGCAATTGGAATAATCACTTGGTCACTTGCCCAAGCTTTCCCTCTG
AATAAATACCCATTGAACTCTGATGGCTGTTATCAAAGGAACTTTTCTTTGTTTAAATTTGCTGATGCA
GGAATTAAGTTTAAACACAACCTCTATAGAAAGAAAGGAGATTATTACCCAGAATTCACATGTAGTGATT
ATTAAGGACAATTTTTTTTTTAACTAAAAAGTTGGCGCAGGGGTGGGGGGTGGCAATCATTTTTCT
TCCTATACATACAAAGGATATTGCAAAAATGGCGTCTTCTCTGTGGCCTGTTATTCTGATTGCTGC
TGTATACAGTTTTGTCACTCTTTAGTTTTAGTTAAGCATACTGATAGACTTTCTCTAAAAGCCATTC
ACTCCAGATTTTACCTGGGGAATATTCTACATACTGCTTACTTTCTCTATAAACTCATCAATAAATCA
TGAAAGGCACTGAGTTTTGTAATCAGGACCCTAAATGTTTAAATGTAATAAGTTTCAGATAATTATT
ATAGCTTTGCGTTGAAGTTTGTGTTTTTTTTTCTCAACTAGTTAAGTCAACTGCTTCTGAAATAACTCT
GTATTGTAGATTATGCAGATCTTTACAGGCATAAATATTTAACTGTAATGCTAACTGAAGAGATT
GCAATAAAGCTGCTTCAGCTAACCTGTTTATGTTTAAATACTAGGGTTTGTCTATATTTATACATG
CATTTTGGATGATTAAGAATGCCTGGTTTTCGTTTGAATTTGCTTGTGTAATCAGGTTGTAAGAAAG
GCAGATAAATTGAAATGTTTGTGGTATGAGGAAATAAAGAATGGAATTAGCTTTCATTCAGAAA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAGAAATGACCGACCAAGCGACGCCCAACTGCCATCA
CGAGATTTGATTCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: Sgfl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001498.4](#)

Summary: Glutamate-cysteine ligase, also known as gamma-glutamylcysteine synthetase is the first rate-limiting enzyme of glutathione synthesis. The enzyme consists of two subunits, a heavy catalytic subunit and a light regulatory subunit. This locus encodes the catalytic subunit, while the regulatory subunit is derived from a different gene located on chromosome 1p22-p21. Mutations at this locus have been associated with hemolytic anemia due to deficiency of gamma-glutamylcysteine synthetase and susceptibility to myocardial infarction.[provided by RefSeq, Oct 2010]

Locus ID: 2729

MW: 55.8