

## Product datasheet for **SC216795**

### Glycerol kinase (GK) (NM\_203391) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Glycerol kinase (GK) (NM_203391) Human 3' UTR Clone
Symbol:	Glycerol kinase
Synonyms:	GK1; GKD
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_203391
Insert Size:	2000 bp



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**Insert Sequence:** >SC216795 3'UTR clone of NM\_203391  
 The sequence shown below is from the reference sequence of NM\_203391. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACTCAATCTCCAGAAAGTGGTATTCCATAAACCTACCAACTCATGGATTCCAAGATGTGAGCTTTTT
ACATAATGAAAGAACCCAGCAATTCTGTCTTAAATGCAATGACACTATTCATAGACTTTGATTTTATT
TATAAGCCACTTGCTGCATGACCCTCCAAGTAGACCTGTGGCTTAAAATAAAGAAAATGCAGCAAAAAG
AATGCTATAGAAATATTTGGTGGTTTTTTTTTTTTTAAACATCCACAGTTAAGTTGGGCCAGCTACC
TTTGGGGTACCCTCCATTGCCATAACATCCTGCTCCATTCCCTCTAAGATGTAGGAAGAATTCGG
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GACATATACTTGATTAAGGTTATTACTAACCTGTTAAAATCAGCAGCTCTTTGCTTTTAAACAGACA
CCCTAAAAGTCTCTTTTCTACATAGTTGAAGACAGCAACATCTTCACTGAATGTTGAATAGAAACCT
CTACTAAATTATTAAGTATAGACATTTAGTGTCTCACAGCTTGGATATTTTTCTGAAAAGTTATTGGC
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GGAAAAGATACTTTCTTTTCTCCATCTTCTTTTATATTTTACTTTGTATGTATAACATACA
TGCTATATATTTTATACACTGAGGGTAGCCATTTATAAATTAAGAGCACATTATTCAGAAAGTTTC
TAACAGGGCTGGTCTTAAGTGAACCACTGTGTATATAAATATGTTGGAACACAGCTGTATACATTTTG
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AGAGGATGTCAAAAAGTTAAATACCTAAGTAGAAAAATATAGAAATAAAGCCAAGAATCTCTTTCA
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TTAATGTCACATATTATAAGAAGTTACCTAATCCTGCTTCTAACATCAATTTTTAAAAATCTTAAA
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ATGGGAAAACATTTATCTTACTATAAAAGTTCTGTTTTGTTGGAATCAATGGTAGCTTTATTGAC
TGTTCTGATTGTGCTGTTCTAATTTATGAATCTGCTAGTTTTATTGATGCAGCCACCACTTAAGTG
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TTCTACAAAAGTAGGTTGAGTTCATTGTAATAATTGTGAAAGCCACTGTTCAAATAATTTAAGATTA
CATTAAATTTTCTATAAATTGGAAGATTATAAATGTTTGAATTTGTACACATTGATTTAATGACAA
ATTTACTTAAAATAAATTGACCCCTTGTCTTACTTGCATTTCTCATTTACAGACTAGAAGTTAGTTGA
AAGTTAAATTAAGAAAGATGTTTCAGAGGCCGGCAGGTTGGCTGACGCCTGTAATCCCAGCACTTG
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-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\\_203391.4](#)

**Summary:** The protein encoded by this gene belongs to the FGGY kinase family. This protein is a key enzyme in the regulation of glycerol uptake and metabolism. It catalyzes the phosphorylation of glycerol by ATP, yielding ADP and glycerol-3-phosphate. Mutations in this gene are associated with glycerol kinase deficiency (GKD). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]

**Locus ID:** 2710

**MW:** 77.1