

Product datasheet for **SC216798**

Glycerol kinase (GK) (NM_000167) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Glycerol kinase (GK) (NM_000167) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	GK
Synonyms:	GK1; GKD
ACCN:	NM_000167
Insert Size:	2000 bp



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Insert Sequence: >SC216798 3'UTR clone of NM_000167
 The sequence shown below is from the reference sequence of NM_000167. 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
ACTCAATCTCCAGAAAGTGGTATTCCATAAACCTACCAACTCATGGATTCCCAAGATGTGAGCTTTTT
ACATAATGAAAGAACCCAGCAATTCTGTCTTAAATGCAATGACACTATTCATAGACTTTGATTTTATT
TATAAGCCACTTGCTGCATGACCCTCCAAGTAGACCTGTGGCTTAAAATAAAGAAAATGCAGCAAAAAG
AATGCTATAGAAATATTTGGTGGTTTTTTTTTTTTTAAACATCCACAGTTAAGTTGGGCCAGCTACC
TTTGGGGTACCCTCCATTGCCATAACATCCTGCTCCATTCCCTCTAAGATGTAGGAAGAATTCGG
ATCCTTACCATTGGAATCTTCCATCGAACATACTCAAACACTTTGGACCAGGATTTGAGTCTCTGCAT
GACATATACTTGATTAAGGTTATTACTAACCTGTTAAAATCAGCAGCTCTTTGCTTTAACAGACA
CCCTAAAAGTCTCTTTTCTACATAGTTGAAGACAGCAACATCTTCACTGAATGTTGAATAGAAACCT
CTACTAAATTATTAAGTATAGACATTTAGTGTCTCACAGCTTGGATATTTTTCTGAAAAGTTATTGGC
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GGAAAAGATACTTTCTTTTCTCCATCTTCTTTTATATTTTTACTTTGTATGTATAACATACA
TGCTATATATTTTATACACTGAGGGTAGCCATTTATAAATTAAGAGCACATTATTCAGAAGGTTTC
TAACAGGGCTGGTCTTAAGTGAACCACTGTGTATATAAATATGTTGGAACACAGCTGTATACATTTTG
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GTTCAAATGTTATCAATTGTTAATAAGAAATGCTATCTGGGATGACAGAATTACCTCTGCTTAGTATC
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ATGGGAAAACATTTATCTTACTATAAAAGTTCTGTTTTGTTTGAATCAATGGTAGCTTTATTGAC
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TTCTACAAAAGTAGGTTGAGTTCATTGTAATAATTGTGAAAGCCACTGTTCAAATAATTTAAGATTA
CATTAAATTTTTCTATAAATTGGAAGATTATAAATGTTTGAATTTGTACACATTGATTTAATGACAA
ATTTACTTAAAATAAATTGACCCCTTGTCTTACTTGCATTTCTCATTTACAGACTAGAAGTTAGTTGA
AAGTTAAATTAAGAAAGATGTTTCAGAGGCCGGCACGGTGGCTGACGCCTGTAATCCCAGCACTTG
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_000167.6](#)

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