

OriGene Technologies, Inc.

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Product datasheet for RC228754

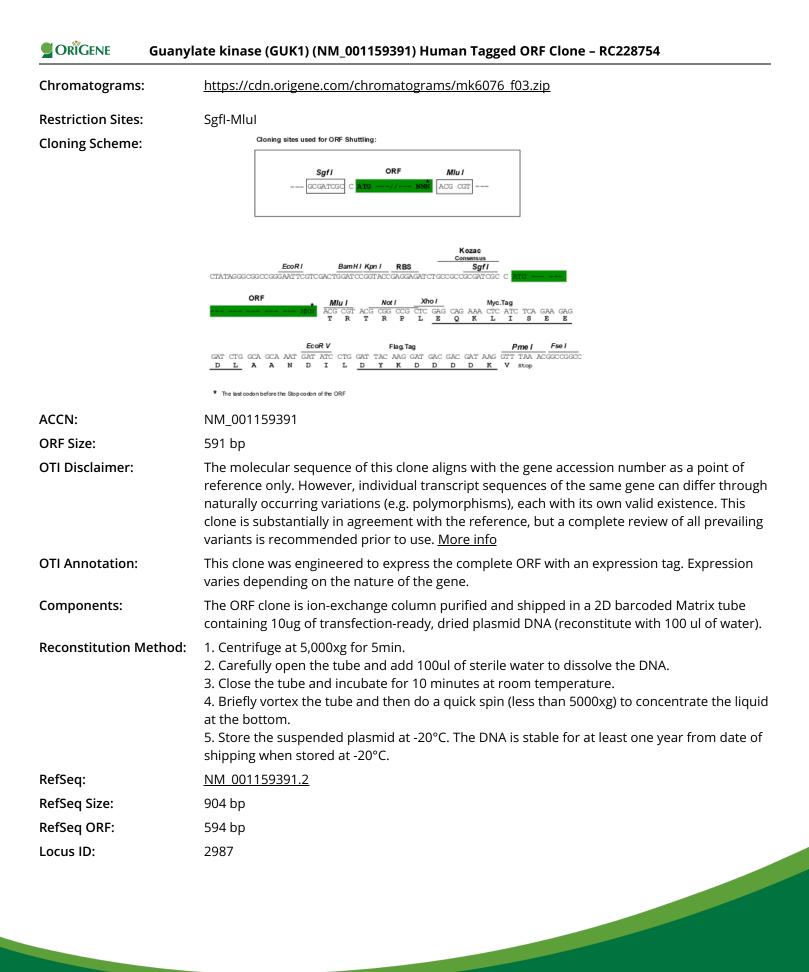
Guanylate kinase (GUK1) (NM_001159391) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Guanylate kinase (GUK1) (NM_001159391) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Guanylate kinase
Synonyms:	GMK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC228754 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGTCGGGCCCCAGGCCTGTGGTGCTGAGCGGGCCTTCGGGAGCTGGGAAGAGCACCCTGCTGAAGAGGC TGCTCCAGGAGCACAGCGGCATCTTTGGCTTCAGCGTGTCCCATACCACGAGGAACCCGAGGCCGGCGA GGAGAACGGCAAAGATTACTACTTTGTAACCAGGGAGGTGATGCAGCGTGACATAGCAGCCGGCGACTTC ATCGAGCATGCCGAGTTCTCGGGGAACCTGTATGGCACGAGCAAGGTGGCGGTGCAGGCCGTGCAGGCCA TGAACCGCATCTGTGTGCTGGACGTGGACCTGCAGGGTGTGCGGAACATCAAGGCCACCGATCTGCGGCC CATCTACATCTCTGTGCAGCCGCCTTCACTGCACGTGCTGGAGCAGCGGCTGCGGCAGCGCAACACTGAA ACCGAGGAGAGCCTGGTGAAGCGGCTGGCTGCTGCCGACATGGAGGAGGCGCGCCGCC TGTTTGATGTGGTCATCATTAACGACAGCCTGGACCAGGCCTACGCAGAGCAGCAGCAGCAGGAGGCCCGGCC TGTTTGATGTGGTCATCATTAACGACAGCCTGGACCAGGCCTACGCAGAGCTGAAGGAGGCGCTCTCTGA GGAAATCAAGAAAGCTCAAAGGACCGGCCGCC
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	<pre>>RC228754 protein sequence Red=Cloning site Green=Tags(s)</pre>
	MSGPRPVVLSGPSGAGKSTLLKRLLQEHSGIFGFSVSHTTRNPRPGEENGKDYYFVTREVMQRDIAAGDF IEHAEFSGNLYGTSKVAVQAVQAMNRICVLDVDLQGVRNIKATDLRPIYISVQPPSLHVLEQRLRQRNTE TEESLVKRLAAAQADMESSKEPGLFDVVIINDSLDQAYAELKEALSEEIKKAQRTGA
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



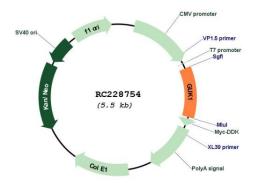
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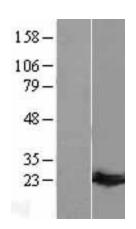
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ORIGENE Guanylate kinase (GUK1) (NM_001159391) Human Tagged ORF Clone – RC228754	
UniProt ID:	<u>Q16774</u>
Cytogenetics:	1q42.13
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Purine metabolism
MW:	21.7 kDa
Gene Summary:	The protein encoded by this gene is an enzyme that catalyzes the transfer of a phosphate group from ATP to guanosine monophosphate (GMP) to form guanosine diphosphate (GDP). The encoded protein is thought to be a good target for cancer chemotherapy. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2011]

Product images:



Circular map for RC228754



Western blot validation of overexpression lysate (Cat# [LY431782]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228754 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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