

Product datasheet for **MG204149**

Khk (NM_008439) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Khk (NM_008439) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Khk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204149 representing NM_008439 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGAGAAGCAGATCCTGTGCGTGGGGCTGGTGGTCTGGACATCATCAATGTGGTGGACAAATACC
CAGAGGAAGACACGGATCGCAGGTGCCTGTCCCAGAGATGGCAGCGTGGAGGCAACGCATCCAACCTCTG
CACTGTCCTTTCCTTGCTTGGAGCCCGCTGTGCCTTCAATGGCTCTTTGGCCCTGGCCACGTTGCCGAC
TTCCTGGTGGCTGACTTCAGGCAGAGGGCGTGGATGTGTCTCAAGTGACTTGGCAGAGCCAGGGAGATA
CCCCTTGCTCTTGCTGCATCGTCAACAACCTCCAATGGCTCCCGTACCATTATACTCTACGACACGAACT
GCCAGATGTGTCTGCTAAGGACTTTGAGAAGGTCGATCTGACCCGGTTCAAGTGGATCCACATTGAGGGC
CGGAATGCATCGGAACAGGTGAAGATGCTGCAGCGGATAGAGGAGCACAATGCCAAGCAGCCTCTGCCAC
AGAAGGTCGGGTGTCGGTGGAGATAGAGAAGCCCGTGAGGAGCTCTTCCAGTTGTTTAGCTATGGTGA
GGTGGTGTGTCAGCAAAGATGTGGCCAAGCACCTGGGGTTCAGTCAGCAGTGGAGGCCCTGAGGGGC
TTGTACAGTCGAGTGAAGAAAGGGGCTACGCTTGTCTGTGCTGGGCTGAGGAGGGTGCCGATGCCCTGG
GCCCGATGGTCAGCTGCTCCACTCAGATGCCTTCCCACCGCCCCGAGTAGTAGACTCTTGGGGCTGG
AGACACCTTCAATGCCTCTGTCTTTCAGCCTCTCGAAGGGAACAGCATGCAAGAGGCCCTGAGATTC
GGGTGCCAGGTGGCTGGCAAGAAGTGTGGCTTGCAGGGGTTTATGGCATTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204149 representing NM_008439
Red=Cloning site Green=Tags(s)

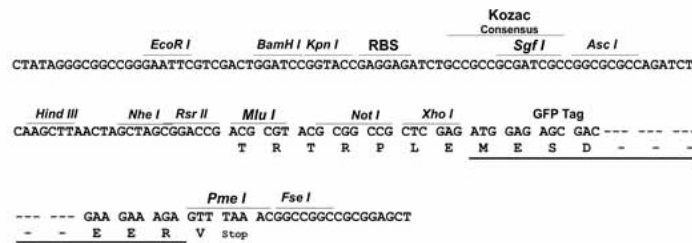
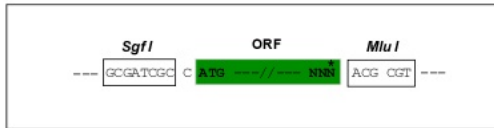
MEEKQILCVGLVVLDIINVVDKYPEEDTRRCLSQRWQRGGNASNSCTVLSLLGARCAFMGSLAPGHVAD
 FLVADFRQRGVDVSQVTWQSQGDTPCSCCIVNNSNGSRTIILYDTNLPDVSADFEKVDLTRFKWIHIEG
 RNASEQVKMLQRIEEHNAKQPLPQKVRVSVEIEKPREELFQLFSYGEVVFVSKDVAKHLGFQSAVEALRG
 LYSRVKKGATLVCAWAEEGADALGPDGQLLHSDAFPPPRVVDLGGADTFNASVIFSLSKGNMQEALRF
 GCQVAGKKCGLQGFDDIV

TRTRPLE - GFP Tag - V

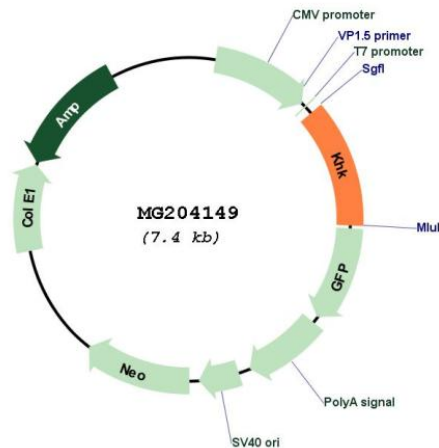
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_008439

ORF Size: 894 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_008439.4
RefSeq Size:	1117 bp
RefSeq ORF:	897 bp
Locus ID:	16548
UniProt ID:	P97328
Cytogenetics:	5 16.9 cM
Gene Summary:	Catalyzes the phosphorylation of the ketose sugar fructose to fructose-1-phosphate. [UniProtKB/Swiss-Prot Function]