

Product datasheet for **RR209918**

Glyctk (NM_001109449) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glyctk (NM_001109449) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Glyctk
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR209918 representing NM_001109449
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCAGCCCTACAGGTCTTGCCCTGTCTCCTCCGAGCCCCGTACGGCCATTCTCTGGGGCCCC
 CGGTGGCCCGGATGACCAAGTGGTATGGCCTTGGCAGAACAGGCACGGCAGCTGTTTGATAGCGCTGTGGG
 TGCTGTGCAGCCAGGCCCATGTGTCAGAGGACTGTCTTGGATCCTAGTGGCAAACAAGTGAAGGTG
 AGGGACCGGACCTTTCAGCTACAAGAAAACCTCTACCTAGTGGGCTTCGCAAGGCCGACTGGGTATGG
 CTGCTGCAGCTGATGAGCTACTGGCCAGCATCTTGTGCAGGGTGTATCAGCGTACCAAGGGGATCCG
 AGCTGCCGTGGAGCTTCCCGAAAGCAAGAGATGCTGCTGAAGCCACACAGCCACATCCAGGTGTTTGA
 GCGCGCAGGACAACCTACCGGATCGGGATGCACTTCGGGCCGTACGGCCATCCAGCAGCTGGCAGAGA
 GGCTACTGCCGACGACCTGCTGCTTGTGCTCATCTCAGGTGGGGCTCAGCCCTGCTGCCGCTCTAT
 CCCACCTGTCACTAGAGGAGAAACAGACGCTCACCAAGCTGCTGGCGCCGAGGAGCCACAATCCAG
 GAGCTGAACACGATCCGCAAGGCCCTGTCCAGCTGAAGGGTGGAGGGCTGGCTCAGGCCCTACCCCTG
 CTCAGGTGGAAGCCTCATCTTGTGAGATGTGATCGGGGACCCTTGGAGGTGATTGCCAGTGGCCCTAC
 AGTGGCCAGCACCAAGTGTGCAAGATTGCCTGCATATTCTTAATCACTATGGTCTCCGTGCTGCTCTG
 CCACGCTCTGTGAAGACCGTGTCTCTCGGGTACTCTGATCCCCACGGACCACATACCTGTGGTCACG
 TCCTCAATGTGATCATCGGCTCTAATTCTTGGCCCTGGCCGAGGCTCAGCGCAAGCTGAGGTCTGGG
 CTACCACGCCATGGTGTGAGCACAGCCATGCAGGGTGTGTAAGACGTGTGGCTCAGTTCTATGGGCTG
 CTAGCCCGGGTGGCTGCAGCCTGCCTCACTTCAACAGCTGAGCGTCCCTTGGAGGAGGAGGCAAAAC
 TCCATCAGCTGGCAGCTGAGCTCCAGCTCCCGACCTGCAGCTGGAGGAGGCTCTGGAAGCTGTGGCAA
 GGCTAAAGGGCCAGTCTGCCTCCTGGCTGGCGGGAGCCACCGTGCAGCTGCAGGGATCTGGCAAGGGC
 GGTCCGAAACCAAGAACTGGCCCTGCGTGTGGGAGCAGAGCTGGGAAAGCAGCCACTGGGGCTGTTGATG
 TGCTGTTCTTGTGAGTGGAGGCACTGATGGGCAGGACGGCCACAAAGGTGGCCGGGGCTGGGTCATGTC
 TGACCTTGTAGCCAGGCTTCTGCTGAAAACCTGGATTTTCCACCTTCTCGACAACAATGACTCGTAC
 ACGTTCTTTTGCAGTTCAGGGTGAACACATTTGCTGCATACAGGGTTGACGGGAACCAATGTCATGG
 ATGTCCACCTCTGGTTTTTCATCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209918 representing NM_001109449
 Red=Cloning site Green=Tags(s)

MAAALQVLPCLLRAPSRPFLWGPVARM TSGMALAEQARQLFDSAVGAVQPGPMLQRTLSLDPSGKQLKV
 RDRTFQLQENLYLVGFGKAVLGMAAADEL LGQHLVQGVISVPKGIIRAAVELAGKQEMLLKPHSHIQVFE
 GAEDNLPDRDALRAAQAIQQLAERLTADDLLLVLISGGGSALLPAPIPPVTLEEKQTLTKLLAARGATIQ
 ELNTRKALSQKGGGLAQAYPAQVVSILSDVIGDPLEVIASGPTVASTHSVQDCLHILNHYGLRAAL
 PRSVKTVLSRADSPHGPHTCGHVLNVIIGSNLALAEARQAELVGYHAMVLSAMQGDVRRVAQFYGL
 LARVAAACLTSSTAERPLEEEAKLHQLAEELQLPDLQLEEALEAVAKAKGPVCLLAGGEPTVQLQSGGK
 GRNQELALRVGAELGKQPLGPVDVFLSGGTDGQDGPVKVAGAWMSDLVSQASAENLDFATFLDNND SY
 TFFCSFQGGTHLLHTGLTGTNVMDVHLLVFHPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

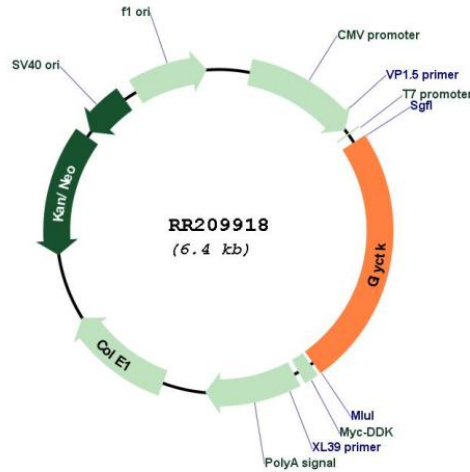
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001109449

ORF Size: 1569 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:

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_001109449.2](#), [NP_001102919.1](#)

RefSeq Size: 2002 bp

RefSeq ORF: 1572 bp

Locus ID: 684314

UniProt ID: [Q0VVK3](#)

Cytogenetics: 8q32

MW: 55.2 kDa