

## Product datasheet for **MR230364**

### Glyctk (NM\_001039586) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Glyctk (NM_001039586) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Glyctk
Synonyms:	6230410P16Rik; C430006L12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR230364 representing NM\_001039586  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGCGGCCCTACAGGTCTTGCCCTGTCTCCTCCGAGCCCCGTCCCCTCCACTCCTCTGGGGCCCC  
 CAGTGGCCCGGATGACCAAGTGGTATGGCTTTGGCAGAACAGGCACGGCAGCTGTTTGATAGTGCAGTGGG  
 TGCTGTGCAGCCAGGCCCATGTGCAGAGGACTGTCCCTGGATCCTAGTGGCAGACAGCTGAAGGTG  
 CGGGACCGGACCTTCCAGCTGCGGGAAAACCTCTACCTAGTGGGCTTCGGCAAGGCCGACTGGGCATGG  
 CAGCTGCTGCCGAGGAGCTGCTGGCTCAGCATCTTGTGCAGGGTGTGATCAGCGTACCCAAGGGATCCG  
 AGCCGCTATGGAACATGCTGAAAGAAAGAGATGCTGCTGAAGCCACACAGCCGCTCCAGGTGTTGAG  
 GGGCCGAGGACAACCTACCGGATCGGGATGCACTCCGGGCCGCTGACCATCCAGCAGCTGCCAGAGG  
 GGCTCACTGCAGATGACCTGCTGCTGGTCTCATCTCAGGTGGGGCTCAGCCCTGCTGCCTGCTCCAAT  
 CCCACCTGTCACACTGGAGGAGAAACAGATGCTACCAAGCTGCTGGCAGCCGAGGAGCCACGATCCAG  
 GAGCTGAACACCATCCGCAAGGCCCTGTGCGAGCTGAAGGGTGGAGGGCTGGCTCAGGCTGCCTATCCTG  
 CTCAGGTGATAAGCCTCATCTTGTGAGATGTGATTGGGGACCCCTTGGAAAGTGATTGCCAGTGGCCCTAC  
 GGTGGCCAGCGCCACAGTGTGCAAGACTGCCTGCATATTCTCAACCACTATGGCCTCCGTGCTGCTCTT  
 CCCCCTCTGTGAAGACTGTGCTCTCCCGAGCTGACTCTGACCCCATGGACCACACACCTGTGGCCACG  
 TCCTCAATGTGATCATCGGCTCTAACTCTTGGCGCTGGCTGAGGCTCAGAGGCAAGCTGAGGTGCTGGG  
 CTACCATGCCATGGTGTGAGCACAGCCATGCAGGGTGTGTAAGAGTGGCTCGGTTCTACGGGCTG  
 CTAGCCCGGGTGGCTGCAGCCACCTCACTCCATCTTTGGCTGAGCGTCCCTTGGAGGAGGAGCCGGAAC  
 TCCATCAGCTGGCAGCTGAGCTCCAGCTCCCGGACCTGCAGCTGGAGGAGGCTCTGGAAGCGGTGCAAA  
 GGCTAAAGGGCCGCTCTGCCTCCTGGCTGGTGGTGGAGCCACGGTGCAGCTGCAGGGATCTGGCAAGGGC  
 GGTGGAACCAAGAACTGGCCTTGCACGTGGGAGTGGAGCTGGGAAGGCAGCCACTGGGACCTATTGATG  
 TGCTATTTTTGAGTGGAGGCACTGATGGCAGGATGGGCCTACAAGGTGGCCGGGGCTGGGTCATGTC  
 TGATCTCATCAGCCAGGCTTCTGCTGAGAGCCTGGACATCGCCACCTCCCTACCAACAACGACTCATA  
 ACTTTCTTTTCCGCTTCCGGGGAGGAACATTTGCTGCACACAGGGTTGACAGGGACCAATGTTATGG  
 ATGTCCACCTCCTGATTCTTCATCTCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230364 representing NM\_001039586  
 Red=Cloning site Green=Tags(s)

MAAALQVLPCLLRAPSRPLLWPPVARMISGMALAEQARQLFDSAVGAVQPGPMLQRTLSDPSGRQLKV  
 RDRTFQLRENLYLVGFGKAVLGMAAAEEELLAQHLVQGVISVPGKIRAAMEHAGKKEMLLPHSRVQVFE  
 GAEDNLPDRDALRAALTIQQLAEGLTADDDLLVLSGGGSALLPAPIPPVTLEEKQMLTKLLAARGATIQ  
 ELNTRKALSQKGGGLAQAAQVVISLILSDVIGDPLEVIASGPTVASAHSVQDCLHILNHYGLRAAL  
 PRSVKTVLSRADSDPHGPHTCGHVLNVIIGSNLALAEARQAEVLGYHAMVLSAMQGDVYKRVARFYGL  
 LARVAAAHLTPSLAERPLEEEAELHQLAAELQLPDLQLEEALEAVAKAGPVCLLAGGEPTVQLQGSKG  
 GRNQELALHVGVELGRQPLGPIDVFLSGGTDGQDGPVKVAGAWMSDLISQASAESLDIATSLTNDSY  
 TFFCRFRGGTHLLHTGLTGTNVMDVHLLILHPQ

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001039586

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\\_001039586.1](#), [NP\\_001034675.1](#)

RefSeq Size: 4090 bp

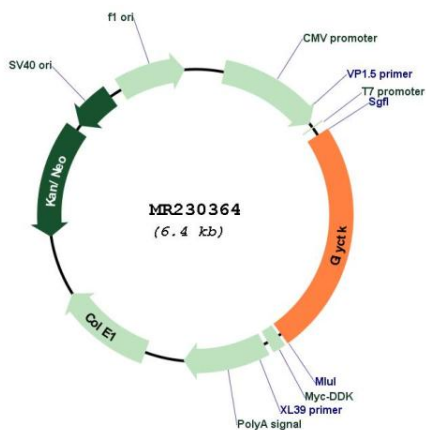
RefSeq ORF: 1572 bp

Locus ID: 235582

UniProt ID: [Q8QZY2](#)

Cytogenetics: 9 F1  
 MW: 55.3 kDa

**Product images:**



Circular map for MR230364