

Product datasheet for **MR208380**

Glyctk (NM_174846) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glyctk (NM_174846) 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:

>MR208380 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGCGGCCCTACAGGTCTTGCCCTGTCTCCTCCGAGCCCCGTCCCCTCCACTCCTCTGGGGCCCC
 CAGTGGCCCGGATGACCAAGTGGTATGGCTTTGGCAGAACAGGCACGGCAGCTGTTTGATAGTGCAGTGGG
 TGCTGTGCAGCCAGGCCCATGTGCAGAGGACTGTCCCTGGATCCTAGTGGCAGACAGCTGAAGGTG
 CGGGACCGGACCTTCCAGCTGCGGGAAAACCTCTACCTAGTGGGCTTCGGCAAGGCCGACTGGGCATGG
 CAGCTGCTGCCGAGGAGCTGCTGGCTCAGCATCTTGTGCAGGGTGTGATCAGCGTACCCAAGGGATCCG
 AGCCGCTATGGAACATGCTGAAAGAAAGAGATGCTGCTGAAGCCACACAGCCGCTCCAGGTGTTGAG
 GCGCCGAGGACAACCTACCGGATCGGGATGCACTCCGGGCCGCTGACCATCCAGCAGCTGCCAGAGG
 GGCTCACTGCAGATGACCTGCTGCTGGTCTCATCTCAGGTGGGGCTCAGCCCTGCTGCCTGCTCCAAT
 CCCACCTGTCACACTGGAGGAGAAACAGATGCTCACCAAGCTGCTGGCAGCCGAGGAGCCACGATCCAG
 GAGCTGAACACCATCCGCAAGGCCCTGTGCAGCTGAAGGGTGGAGGGCTGGCTCAGGCTGCCTATCCTG
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 GGTGGCCAGCGCCACAGTGTGCAAGACTGCCTGCATATTCTCAACCACTATGGCCTCCGTGCTGCTCTT
 CCCCCTCTGTGAAGACTGTGCTCTCCCGAGCTGACTCTGACCCCATGGACCACACACCTGTGGCCACG
 TCCTCAATGTGATCATCGGCTCTAACTCTTGGCGCTGGCTGAGGCTCAGAGGCAAGCTGAGGTGCTGGG
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 CTAGCCCGGGTGGCTGCAGCCACCTCACTCCATCTTTGGCTGAGCGTCCCTTGGAGGAGGAGCCGGAAC
 TCCATCAGCTGGCAGCTGAGCTCCAGCTCCCGGACCTGCAGCTGGAGGAGGCTCTGGAAGCGGTGGCAAA
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 TGATCTCATCAGCCAGGCTTCTGCTGAGAGCCTGGACATCGCCACCTCCCTACCAACAACGACTCATA
 ACTTTCTTTTCCCGCTTCCGGGGAGGAACATTTGCTGCACACAGGGTTGACAGGGACCAATGTTATGG
 ATGTCCACCTCCTGATTCTTCATCCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208380 protein sequence
 Red=Cloning site Green=Tags(s)

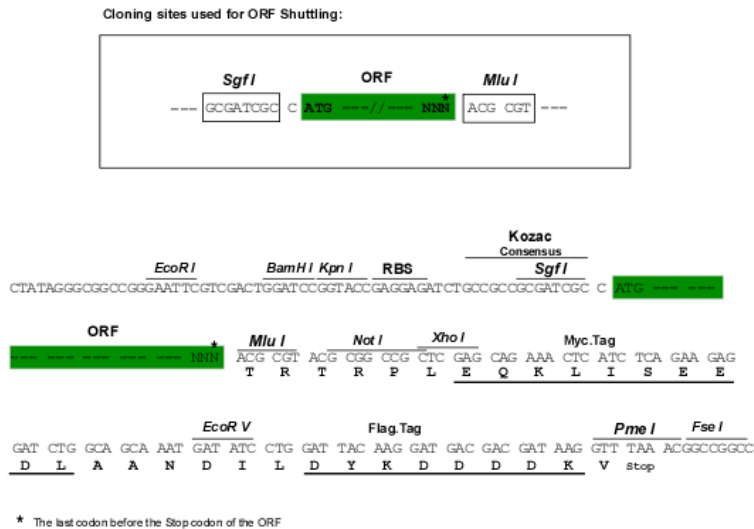
MAAALQVLPCLLRAPSRPLLWPPVARMISGMALAEQARQLFDSAVGAVQPGPMLQRTLSDPSGRQLKV
 RDRTFQLRENLYLVGFGKAVLGMAAAEEELLAQHLVQGVISVPGKIRAAMEHAGKKEMLLPHSRVQVFE
 GAEDNLPDRDALRAALTIQQLAEGLTADDLLLVLISGGGSALLPAPIPPVTLEEKQMLTKLLAARGATIQ
 ELNTRKALSQKGGGLAQAAQVVISLILSDVIGDPLEVIASGPTVASAHSVQDCLHILNHYGLRAAL
 PRSVKTVLSRADSDPHGPHTCGHVLNVIIGSNLALAEARQAEVLGYHAMVLSAMQGDVYKRVARFYGL
 LARVAAAHLTPSLAERPLEEEAELHQLAAELQLPDLQLEEALAVAKAKGPVCLLAGGEPTVQLQGSKG
 GRNQELALHVGVELGRQPLGPIDVFLSGGTDGQDGPVKVAGAWMSDLISQASAESLDIATSLTNDSY
 TFFCRFRGGTHLLHTGLTGTNVMDVHLLILHPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_174846

ORF Size: 1572 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_174846.3](#)

RefSeq Size: 4226 bp

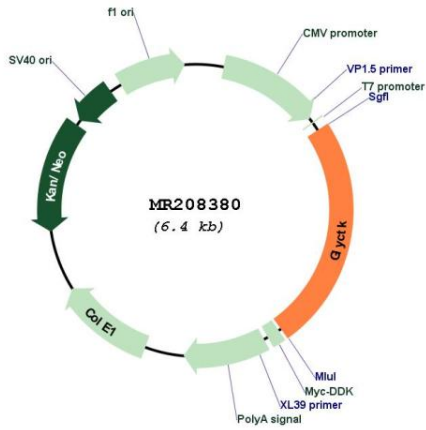
RefSeq ORF: 1572 bp

Locus ID: 235582

UniProt ID: [Q8QZY2](#)

Cytogenetics: 9 F1
 MW: 55.3 kDa

Product images:



Circular map for MR208380