

Product datasheet for **MG200384**

Pigyl (BC025114) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pigyl (BC025114) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pigyl
Synonyms: 1810008A14Rik; PIG-Y; Pigy
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200384 representing BC025114
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGAGTCGGGACAAGGGGAAGATAAGACAAGAGCGCACCCGCATGAGAACAGAACTTTTCAAACAAC
TGAGTTTTCTTGAGACAGTTAACCTTTAAGAAGGAGGAAGATGATCCGGTCCCTGCCACCATGACCG
TCCTCATCCCACTGGTCTCGCTGGCAGGCCTGCTCTACTCCGCCTCTGTGGAGGAAGGCTTCCCAGAGGG
CTGCACCAGCGCCAGCAGCCTGTGCTTCTACAGCTTGCTTGGCCGTCACCGTGCCTGTGTACGTGTT
TTCCATCTGTGGACATGGATGGCCTGAAGCTTTCAGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200384 representing BC025114
Red=Cloning site Green=Tags(s)
MRSRDKGKIRQERTRMTELFKQLSFLQTVNLLRREDDPVPAAHHRPHPTGLAGRPALLRLCGGRLPRG
LHQRQPVLLQLALAGHRACVRVLPVSDMDGPEALQT

TRTRPLE - GFP Tag - V

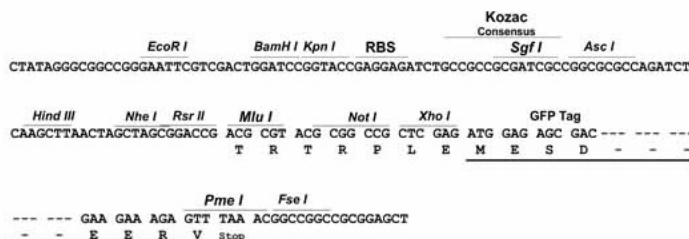
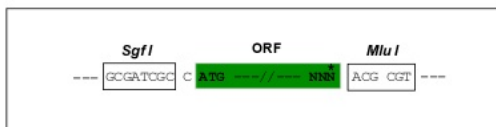
Restriction Sites: Sgfl-MluI



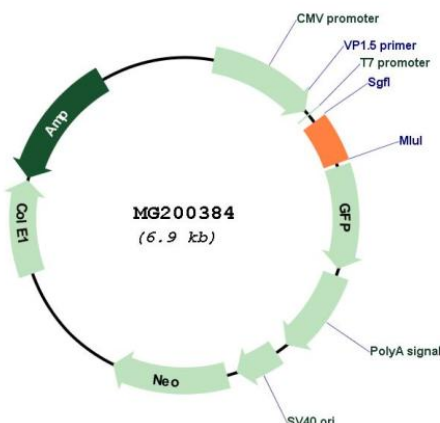
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Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC025114

ORF Size: 323 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:	<u>BC025114</u>
RefSeq Size:	664 bp
RefSeq ORF:	323 bp
Locus ID:	66268
Cytogenetics:	9 A3
Gene Summary:	This gene encodes a homolog of a human protein that functions in glycosylphosphatidylinositol biosynthesis. The human protein is expressed from an unusual locus that encodes two distinct proteins in upstream and downstream CDSes; however, in mouse these two proteins are expressed from distinct loci. The product of this locus is highly similar to the protein expressed from the human downstream CDS. A separate mouse locus on chromosome 6 is orthologous to the human locus and encodes a protein similar to the human protein expressed from the upstream CDS. [provided by RefSeq, Jul 2008]