

Product datasheet for **MG218714**

Pigh (NM_029988) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pigh (NM_029988) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pigh
Synonyms: 2210416H01Rik; A930028P05Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218714 representing NM_029988
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGACGAGAAGAGCTTCTCCGATATCTGCGCGGCCCGCTAGCCCTGCGGTGCCGCTACTACTCAC
 CGTACTGCCGCGAGTTCGGCCTCAGCTCGGCTCGGCTGTCGCTGTGCTCGCTCACCGCGGTACCTGCGC
 GGTGTGGCTGGCGCCTACGGCTCTTACCCTGTGCGAGAATAGCATGGTCTCTGCCACCATCTTC
 ATCACCATCTTAGGCCTGCTTGGTTACCTCCATTTTGTGAAGATTGACCAGGAGACTCTACTAATCATCG
 ACTCACTTGGCATCCAGATGACTTCATCTTATGCATCGGGCAAAGAAAGTACCACCTTCATAGAGATGGA
 CAAGGTCAAGGACATTATCATTAAACGAGGCTATCTACATGCAGAAGGTCACTTACTACCTCTGCATTTTA
 CTGAAGGAGCCGGGAAGCCACACGAGATCTCTCGAGTAGTTCCTGTCTTCCAGAGTGCCAAGCCCCGGT
 TGGACTGCTTGATTGAAGTATACAGAAGCTGCCAGGAGTTCTGGCACACCAGAAAGCCACAGCAACAAG
 CTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG218714 representing NM_029988
 Red=Cloning site Green=Tags(s)

MEDEKSFSDICGGRLALRCRYSPYCREFLSSARLSLCSLTAVTCAVWLAAYGLFTLCENSMVLSATIF
 ITILGLLGYLHFVKIDQETLLIIDSLGIQMTSSYASGKESTTFIEMDKVKDIIINEAIYMQKVIYYLCIL
 LKEPGKPHEISRVPVVFQSAKPRLDCLIEVYRSCQEVLAHQKATATSL

TRTRPLE - GFP Tag - V

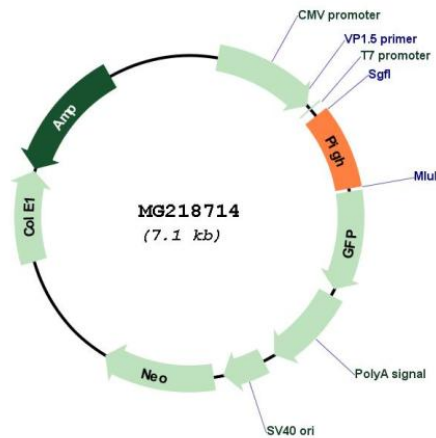
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_029988

ORF Size: 564 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_029988.2](#), [NP_084264.1](#)

RefSeq Size: 2376 bp

RefSeq ORF: 567 bp

Locus ID: 110417

UniProt ID: [Q5M9N4](#)

Cytogenetics: 12 35.51 cM

Gene Summary: Part of the complex catalyzing the transfer of N-acetylglucosamine from UDP-N-acetylglucosamine to phosphatidylinositol, the first step of GPI biosynthesis.
[UniProtKB/Swiss-Prot Function]