

## Product datasheet for MR218714

### Pigh (NM\_029988) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pigh (NM\_029988) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pigh  
**Synonyms:** 2210416H01Rik; A930028P05Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR218714 representing NM\_029988  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGGACGAGAAGAGCTTCTCCGATATCTGCGGCGGCCCTAGCCCTGCGGTGCCGCTACTACTCAC  
CGTACTGCCGCGAGTTCGGCCTCAGCTCGGCTCGGCTGTCGCTGTGCTCGCTCACC GCGGTACCTGCGC  
GGTGTGGCTGGCGGCTACGGGCTTTCACCTGTGCGAGAATAGCATGGTCTCTGCCACCATCTTC  
ATCACCATCTTAGGCCTGCTTGGTTACCTCCATTTTGTGAAGATTGACCAGGAGACTCTACTAATCATCG  
ACTCACTTGGCATCCAGATGACTTCATCTTATGCATCGGGCAAAGAAAGTACCACCTTCATAGAGATGGA  
CAAGGTCAAGGACATTATCATTAAACGAGGCTATCTACATGCAGAAGGTCACTTACTACCTCTGCATTTTA  
CTGAAGGAGCCGGGAAGCCACACGAGATCTCTCGAGTAGTTCCTGTCTTCCAGAGTGCCAAAGCCCGGT  
TGGACTGCTTGATTGAAGTATACAGAAGCTGCCAGGAGTTCTGGCACACCAGAAAGCCACAGCAACAAG  
CTTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR218714 representing NM\_029988  
Red=Cloning site Green=Tags(s)

MEDEKSFSDICGGRLALRCRYSPYCREFLSSARLSLCSLTAVTCAVWLAAYGLFTLCENSMVLSATIF  
ITILGLLGYLHFVKIDQETLLIIDSLGIQMTSSYASGKESTTFIEMDKVKDIIINEAIYMQKVIYYLCIL  
LKEPGKPHEISRVPVVFQSAKPRLDCLIEVYRSCQEVLAHQKATATSL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**



[View online »](#)

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9029\\_a07.zip](https://cdn.origene.com/chromatograms/mm9029_a07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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](#)

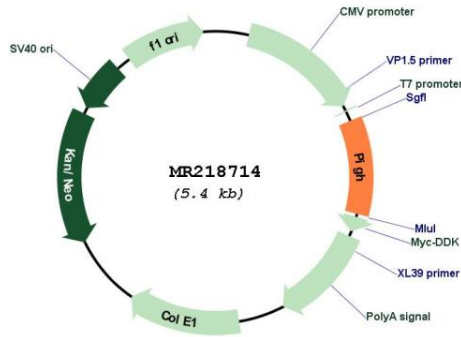
**RefSeq Size:** 2376 bp

**RefSeq ORF:** 567 bp

**Locus ID:** 110417

UniProt ID: [Q5M9N4](#)  
 Cytogenetics: 12 35.51 cM  
 MW: 21.5 kDa  
 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]

**Product images:**



Circular map for MR218714