

Product datasheet for MR216742

Pigp (NM_001159617) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pigp (NM_001159617) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pigp
Synonyms: Dcrc; Dscr5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216742 representing NM_001159617
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCGGCATCTCGGCTGCGGCGGGACGCGCAGACGCTTCCGTGAGCCCCGCCGCGCAGGGTCTGC
 ACTCACCCGGGCCCGCAGCCCGGAGCCTCAGACGCGGGTCCGACGCCTCCGGCCCTCCACGTCAACC
 AGACCCGAGAGCGAACGCTCCGCGCTCTGAGGCGGGCGGTACGTGGCTTAGGATTGTCTAAAGCC
 ACAGGGAAGATGGTGAAAATTCACCGTCGCCATTGCCAGAAAGAGCGATTTATGGCTTTGTTCTTTCC
 TAAGCTACAATTTGGCTTCATACTTTATCTTGTGTGGGCTTTCGTTCCGAATCTTGGTTAAACTCCTT
 AGGCTTAACCTACTGGCCTCAAAAATACTGGGCGGTTGCATTGCCCGTCTACCTCCTATCACAGTTGTA
 ATTGGTTATGTGCTTTATTTGGAATCAACATGATGAGTACCTCTCCACTTGACTCCATTATACGATCA
 CAGATAACTATGCTAAAAACCAAGAGGAAACTACCAAGAGGATGCCATCCCAGCATTGAGAGATGT
 CCCATTAGTGAAGTAAACAAAATGTTTTCTAGGAGCCAAAGAACTCAATACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216742 representing NM_001159617
 Red=Cloning site Green=Tags(s)

MPGHLGCGGTRRRFRPREPRAQGLHSPGPAAREPQTRAADASGPPRPDPQSERSAAPEAGGSRGLGLSKA
 TGKMOVNSPSPLEPERAIYGFVLFSSQFGFILYLWAFVPESWLNLSGLTYWPQKYWAVALPVYLLITV
 IGYVLLFGINMMSTSPLDIHTITDNYAKNQQRKNYQEDAIPALRDVPISEVNMFFLGAKELENT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

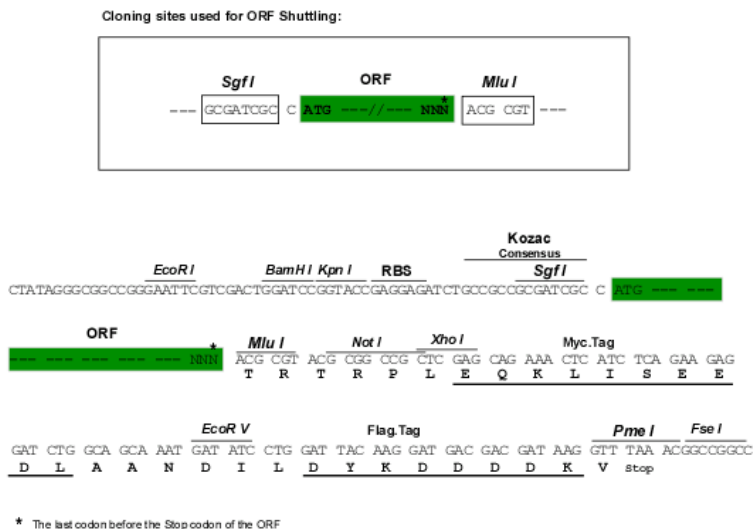


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Chromatograms: https://cdn.origene.com/chromatograms/mm9025_c02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001159617

ORF Size: 615 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_001159617.1](#), [NP_001153089.1](#)

RefSeq Size: 942 bp

RefSeq ORF: 618 bp

Locus ID: 56176

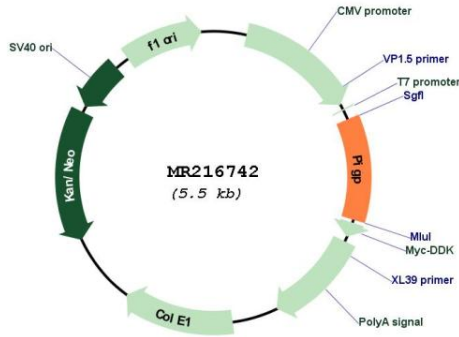
UniProt ID: [Q9JHG1](#)

Cytogenetics: 16 C4

MW: 23.1 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 MR216742