

Product datasheet for MR218207

Pigp (NM_001159616) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pigp (NM_001159616) 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: >MR218207 representing NM_001159616
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGTGGAAAATTCACCGTCGCCATTGCCAGAAAGAGCGATTTATGGCTTTGTTCTTTTCCTAAGCTCAC
 AATTTGGCTTCATACTTTATCTTGTGTGGGCTTTCGTTCCCGAATCTGGTTAAACTCCTTAGGCTTAAC
 TTACTGGCCTCAAAAATACTGGGCGTTGCATTGCCCGTCTACCTCCTTATCACAGTTGTAATTGGTTAT
 GTGCTCTATTTGGAATCAACATGATGAGTACCTCTCCACTTGACTCCATTCATACGATCACAGATAACT
 ATGCTAAAAACCAACAGAGGAAAACTACCAAGAGGATGCCATCCAGCATTGAGAGATGTCCCATTAG
 TGAAGTAAACAAAATGTTTTCTAGGAGCCAAAGAACTCAATACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218207 representing NM_001159616
 Red=Cloning site Green=Tags(s)
 MVENSPSPLPERAIYGFVFLSSQFGFILYLWAFVPESWLNSLGLTYWPQKYWAVALPVYLLITVVIGY
 VLLFGINMMSTSPLDIHTITDNYAKNQQRKNYQEDAIPALRDVPISEVNMFFLGAKEINT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001159616

ORF Size: 396 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_001159616.1](#), [NP_001153088.1](#)

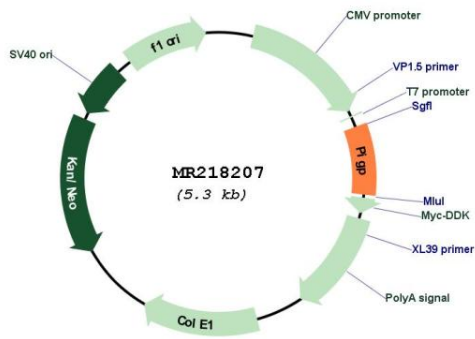
RefSeq Size: 773 bp

RefSeq ORF: 399 bp

Locus ID: 56176

UniProt ID: [Q9JHG1](#)
 Cytogenetics: 16 C4
 MW: 15.1 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 MR218207