

Product datasheet for MR216725

Pigp (NM_019543) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pigp (NM_019543) 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: >MR216725 representing NM_019543
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGAAAATTCACCGTCGCCATTGCCAGAAAGAGCGATTTATGGCTTTGTTCTTTTCCTAAGCTCAC
AATTTGGCTTCATACTTTATCTTGTGTGGGCTTTCGTTCCCGAATCTGGTTAAACTCCTTAGGCTTAAC
TTACTGGCCTCAAAAATACTGGGCGTTGCATTGCCCGTCTACCTCCTTATCACAGTTGTAATTGGTTAT
GTGCTCTTATTTGAATCAACATGATGAGTACCTCTCCACTTGACTCCATTCATACGATCACAGATAACT
ATGCTAAAACCAACAGAGGAAAACTACCAAGAGGATGCCATCCAGCATTGAGAGATGTCCCATTAG
TGAAGTAAACAAAATGTTTTCTAGGAGCCAAAGAACTCAATACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216725 representing NM_019543
Red=Cloning site Green=Tags(s)

MVENSPLPERAIYGFVLFSSQFGFILYLWVAFVPESWLNLSLGLTYWPQKYWAVALPVYLLITVVIGY
VLLFGINMMSTPLDSIHTITDNYAKNQQRKNYQEDAIPALRDVPISEVNMFFLGAKELNT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9028_e03.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_019543

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_019543.3](#), [NP_062416.1](#)

RefSeq Size: 788 bp

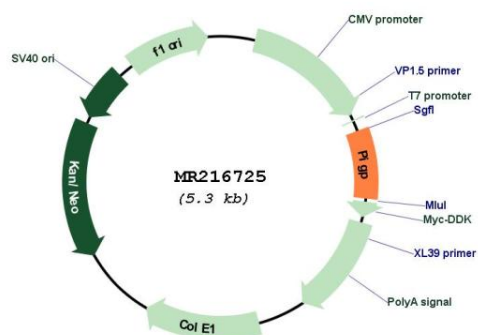
RefSeq ORF: 399 bp

Locus ID: 56176

UniProt ID: [Q9JHG1](#)

Cytogenetics:	16 C4
MW:	15.6 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 MR216725