

Product datasheet for **MG216742**

Pigp (NM_001159617) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pigp (NM_001159617) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pigp
Synonyms: Dcrc; Dscr5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216742 representing NM_001159617
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGGAAAATTCACCGTCGCCATTGCCAGAAAGAGCGATTTATGGCTTTGTTCTTTCTAAGCTCAC
 AATTTGGCTTCATACTTTATCTTGTGTGGGCTTTCGTTCCCGAATCTGGTTAACTCCTTAGGCTTAAC
 TTACTGGCCTCAAAAATACTGGGCGTTGCATTGCCCGTCTACCTCCTTATCACAGTTGTAATTGGTTAT
 GTGCTCTTATTTGGAATCAACATGATGAGTACCTCCACTTGACTCCATTCATACGATCACAGATAACT
 ATGCTAAAACCAGCAGAGGAAAACTACCAAGAGGATGCCATCCAGCATTGAGAGATGTCCCATTAG
 TGAAGTAAACAAAATGTTTTCTAGGACCAAAGAACTCAATACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216742 representing NM_001159617
 Red=Cloning site Green=Tags(s)
 MVENSPSPLPERAIYGFVFLSSQFGFILYLWAFVPESWLNLSLGLTYWPQKYWAVALPVYLLITVVIGY
 VLLFGINMMSTSPLDIHTITDNYAKNQQRKNYQEDAIPALRDVPISEVNKMFFLGAKELNT

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<ol style="list-style-type: none">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:	<u>NM_001159617.1</u> , <u>NP_001153089.1</u>
RefSeq Size:	942 bp
RefSeq ORF:	618 bp
Locus ID:	56176
UniProt ID:	<u>Q9JHG1</u>
Cytogenetics:	16 C4
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]