

Product datasheet for **MC228554**

Pigq (NM_001291025) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pigq (NM_001291025) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pigq
Synonyms:	Gpi1; Gpi1h; Gpi1p; Gpih
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228554 representing NM_001291025
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGTCAAGTCTTCTTCCCCAGTGTGTGCTCGGCAGACAGTGGCTGTTAGTGGGACGATGGG
 TTCCAGGACAGAGCAGTGTGTGATCCTGGCCGTGGTGCACCTTCCCTTCATCCCCATCCAAGTCAAGGA
 GCTCCTGGCCAGGTGCAGAAGGCCAGTCAAGTACCAGTGGCTGTGCTAGGGACCTGGTGCACCCGTCAG
 CAGGAACCGCAGGAGAGCCTGGGAATTTCTGGAGGGCCTGGGCACCATCTTCTCCCATGACCCCTGGT
 TGCAGCTCTGCCGGGAGAGGGGTACCAGACTCTGGAGCTGCAAGGCCACTTACCCGCAGATGTCTAACCC
 TCTGGACATGCACCCGAAGAGCAGTCTGCTCATCTTCTATGATCAGCGCAAGCTGCTGCTCTCCTGG
 TTGCATCCGCCTCCAGTCTGCCTGCCTGCCAGATGGGAGACACCACAGCCAGCACCCGGAGGCTAGCTG
 ACATCTTTGACACAGTGGCACGCAGCGAGGTGCTCTCCGAAATGACCAATTTGATGAGAGACCCGTACG
 CCTGAGCCACTGGCAATCAGAGGGAGTGGAGGCCAGCATACTTGTGGAGTTGGCAAAGCGGGCCTCTGGG
 CCTGTCTGCCTGTCTGGCTTCTGTGTCCCTGATCTCAGCAGCTAGTGCTTCCCGGTATGGAAGC
 TGTGGCCACTTTCCTTCATCAGAAGCAAGCTCTCCACTTGTGAGCAGCTCCATCACCCGGCTGAAGCACCT
 CTCCTTCATCTTCAGCACGGAGAAAGCCAGAATCCCATGCAGCTGATGAGGAAGGCCAACATGCTGGTT
 TCTGTGCTACTGGATGTGGCCCTTGGCTTGTGCTGCTCTTGGCTCCACAGCAATAACCGAATTGGAC
 AGCTGGCAATGCCCTGGTCCCTGTGGCTGATAGTCAAAGCAGTGTCTCCGTGGAAGTCTTGTGGGCTCT
 CTTCTGCTCCGTAGTCCGATGCCTGCTGGGTCTGTTTGTGCCAGGCCAGGAATCTGGGGCAGCAGTG
 GGCTCCTCTCAGCTTTGTGAGATCTGTGGAGTCCAGTCCAGTGGAAAGAGGAGCTGGAGCTGGGTGAAC
 GCGCGTGGCTGAGGAGCTCCAGCATCTGCTGCAGTGGCTGATGGGTGCTCCTGCTGGGCTCAAGATGAA
 TCGGGCACTGGATCAGGTGCTAGGCCGCTTTTTCTGTACCACATCCATCTGTGGATAAGCTATATCCAC
 CTTATGTCCCTTTATTGAGCATATCCTGTGGCATGTGGGACTCTCAGCCTGCCTGGACTGACTGTTG
 CTCTGTCCATCTTTTCGGATATCATCGCCCTTCTCACCTTCCACATCTATTGCTTCTATGTCTACGGTGC
 CAGGCTGTACTGCCTGAAGATCTATGGCCTTCTCTCTCTGCGCTGTGTTCCGGGGGAAGAAGTGAAT
 GTTCTGCGCCAGCGAGTGGATTCTTGTCTATGACCTTGACCAGCTCTTATTGGGACCTTGTCTTCA
 CCATCCTGGTCTTCTGTACTCCACCACCCTGTACTACCTGGTATTACCCTGCTCCGGCTCCTGGT
 GATCACTGTGCAAGGCTTAATCCATCTACTTGTAGACCTCATCAATCCCTGCCACTATACTCCCTTGGC
 CTTGACTCTGCCACCCTACAGGCTGGCAGCTGGTGTGAAGTTCAGAGTCTGAAAAGGAGGCAGGCA
 GACCCCTCCGCCTCTGATGCAGATAAACCCCTGTCTATAACCATGTGATGCACATCTACCGTCTGCC
 TCGCTGTGGCTGCCATCCAAGCACTCCTGGGGTACCCTGTGCCGAAAGCTGGTCTTCGGAGAGCTCATC
 TACCCCTGGAGGCAGAGAGGACAAACAGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001291025

Insert Size: 1926 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001291025.1</u> , <u>NP_001277954.1</u>
RefSeq Size:	3295 bp
RefSeq ORF:	1926 bp
Locus ID:	14755
Cytogenetics:	17 A3.3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>