

Product datasheet for **MC204285**

Pigq (NM_011822) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pigq (NM_011822) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pigq
Synonyms:	Gpi1; Gpi1h; Gpi1p; Gpih
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC014287
 CCACGCGTCCGAGCCGGCGGAAATGGTGTCTGATGTCCCAGCGGGCCTGGGAGCCGCAAGCACGGTCGT
 CCTCCCGGGCCCGCCGAACGCAGTGCCCAACCCAGTTCCTTCCCTACCGCTCGGGGACGCGGGCCCGGGG
 ACCAGCTGGGCCCCAGCATGGTGTCAAGGTCTTCTTCCCACGTGCTGTGCCTCGGCAGACAGTGGCC
 TGTTAGTGGGACGATGGGTTCCAGGACAGAGCAGTGTGTGATCCTGGCCGTGGTGCACCTTCCCTTCAT
 CCCCATCCAAGTCAAGGAGCTCCTGGCCAGGTGCAGAAGGCCAGTCAAGTACCAGTGGCTGTGCTAGGG
 ACCTGGTGCCACCGTCAGCAGGAACCGCAGGAGAGCCTGGGGAATTTCTGGAGGCCCTGGGCACCATCT
 TCTCCCATGACCCTGGTTGCAGCTCTGCCGGGAGAGGGTACCAGACTCTGGAGCTGCAAGGCCACTTA
 CCCGCAGATGTCTAACCTCTGGACATGCACCCGAAGAGCAGGTCATGCTCATCTTCTATGATCAGCGC
 AAGCTGTCTCTCTGGTTGCATCCGCCTCCAGTCTGCCTGCCTGCCAGATGGGAGACACCACAGCCA
 GCACCGGAGGCCCTAGCTGACATCTTTGACACAGTGGCACGCAGCGAGGTGCTCTTCCGAAATGACCAATT
 TGATGAGAGACCCGTACGCCTGAGCCACTGGCAATCAGAGGGAGTGGAGGCCAGCATACTGTGGAGTTG
 GCAAAGCGGGCCTCTGGGCTGTCTGCCTGCTGCTGGCTTCTCTGTTGTCCTGATCTCAGCAGCTAGTG
 CTTGCCGGCTATGGAAGCTGTGGCCACTTCTTTCATCAGAAGCAAGCTCTCCACTTGTGAGCAGCTCCA
 TCACCGGCTGAAGCACCTCTCCTTCATCTCAGCACGGAGAAAGCCAGAATCCCATGCAGCTGATGAGG
 AAGGCCAACATGTGGTTTCTGTGCTACTGGATGTGGCCCTTGGCTTGTGCTGCTCTCTTGGCTCCACA
 GCAATAACCGAATTGGACAGCTGGCCAATGCCCTGGTCCCTGTGGCTGATCGCGTGGCTGAGGAGCTCCA
 GCATCTGTCTGAGTGGCTGATGGGTGCTCTGCTGGGCTCAAGATGAATCGGGCACTGGATCAGGTGCTA
 GGCCGCTTTTTCTGTACCACATCCATCTGTGGATAAGCTATATCCACCTTATGTCCCTTTTATTGAGC
 ATATCCTGTGGCATGTGGGACTCTCAGCCTGCCTTGGACTGACTGTTGCTCTGTCCATCTTTTGGGAT
 CATCGCCTTCTCACCTCCACATCTATTGCTTCTATGTCTACGGTGCCAGGCTGTAAGCTGAAGATC
 TATGGCCTTCTCTCTCTGGCGTCTGTCCGGGGGAAGAAGTGAATGTTCTGCGCCAGCGAGTGGATT
 CTTGTTCTATGACCTTGACCAGCTCTTCACTGGGACTTGTCTTACCACCTGGTCTTCTTGGTACC
 CACCACCGCTCTGTACTACTGGTATTACCCCTGCTCCGGCTCCTGGTGATCACTGTGCAAGGCTTAATC
 CATCTACTTGTAGACCTCATCAATTCCTGCCACTATACTCCCTTGGCCTTCGACTCTGCCGACCCTACA
 GGCTGGCAGTGGTGTGAAGTTCAGAGTCTGGAAGGAGGAGGCAGGCAGACCCCTCCGCCTCTGATGCA
 GATAAACCCCTGTCTATAACCATGTGATGCACATCTACCGTCTGCCTCGCTGTGGCTGCCATCCCAAG
 CACTCCTGGGACTACCCTGTGCCGAAAGTGGTCTTCGGAGAGCTCATCTACCCCTGGAGGCAGAGAGG
 ACAACAGGACTGAGGAGCTGGACACAGCCTACCCATAGCTACTGCACAACCATCACGCCTCTCTCTGC
 CAGGACAGCACTGACCACGGGTCTCTCAGTCCCACAAGGGCCAACCAACACTCTGTGTGCTGAATG
 TAGGCAGGCTTACCCTTGAATTAATGCTCTCGGACCCTGCCAGCTTCACTCTGACTCTATCT
 AGCACAGTGGTTCTCAACCGTCCCAAAGCTGACCCCTTAATACAGTTCCTCATGTTGTGGTGACCCCAAC
 CATAAAATTATATTCATTACTACTTCACTACTGTTAATTTTGTACTGCTATGAATCATGATATAATATA
 AATATCTGTGTTTTCTGACAGTCATAGGTGAACCTGTGAAAGTGCATATGACACCCACCCCAAAGGGT
 TGAGAACCACTGCTCTAGTATACCTATGTAGGGACCCACATGGTTTTTGTAGTCATTACAGTGAGCCTG
 ATTCCTAGGAGTCCCGGACCCCGTGGGATATGCTGGCAGGTGCTCTGGCTGCTTTATTGGGTGGGAGC
 ACTCCTGGGCACCTGGTGACTTCAAGCCTCCGAGAACATTTCCATTGGGAAACAGGCAGCTGCTGA
 TCCCTTAGCCCTCGAACTAATCCCTCACCTGTACTTCACTGGGCTTACTTGTACTCTGGAGATTGCT
 TTGTGAAGTTGCTGTTAATAGGCCTTTGGGTACCCTTTGCTTGAAGTTATCAACTGAGGTGATTGGAT
 ACCTGCCAACCTGGCTAGTGTCCATGTATGAATAGGCCCTTTGGCAAAATATTCTATGTTCTTATAG
 ACTCCTTATGGGACCAGATAGCTTCTTCTGGACAGGCACCTTCATGGCTCATTGTGTGAATGATCTTGGG
 GTGGTGAATGGCCAGGTTGGTTCCCTAACACTTAGTGGGACCCATGTGAGCTAGTCCCTAGGGGGCA
 GGAAACCTCACTGCCTGAATTGTCTACTGTGGCAGGAGGGGACAGCCGGCCAGCCTGTCTTTCAGGGG
 CACTTGGGACTATTGACATTGGTCTGTCTGTGCCTGCTTCTCTGCTATAGGTCACAGCCACTCTAAG
 CAGCCAGTGGAGGTTTTGGTGAAGATGAATCCTGATCCTGTGATGACAATAAAATCTCATGAATCTGG
 AGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_011822
Insert Size: 1746 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).
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:	BC014287 , AAH14287
RefSeq Size:	3114 bp
RefSeq ORF:	1746 bp
Locus ID:	14755
UniProt ID:	Q9QYT7
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 (2) lacks an alternate exon in the coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to 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>