

Product datasheet for **MC219020**

Pigz (NM_172822) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pigz (NM_172822) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pigz
Synonyms:	F630022B06Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219020 representing NM_172822
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGTGGCAGCCAGGTGATTTGGGGTAGCTTCAGCCTGCTTCGTGTCTTATGGTGTCTCCTCCCC
 AGACTGGCTACATACACCCAGATGAATTTCCAGTCACCTGAGGTCATGGCAGAGGACATCCTGGGTGT
 GCAGGCTACACGGCCCTGGGAATTTACCCAGCAGCTCCTGCCCACTGTGGTCTTCCCACTGCTGACC
 TCTGGCTCTACCTTCTGGTTACTCAGGCTCTGGGAAGAGCTGGGGCTCTGGCCTGGTCTGGTGTGCTG
 ACATGCTGCTGGTGGGGCCCGATTCTTCTCACCGCCCTCTCCTTTGCCCTGGACTGGGCTGTGTACGA
 TCTGGCCCGTTGTGGGGGCGAGATCGTTGGAATGCCTTGTGCCTGCTGTCTGGTTCCTATGTCACCCTG
 GTTTTCTACACAAGAACCTTCTCCAACACCATCGAGGGACTGCTTTCACCTGGCTGCTGGTGTGCTGT
 CCCCTGGTGTGGTAAGGAGTCTACATCAAAGAAGCCTACCCAGGTCCACGGTGGCACAGATATCTTCT
 TGGTGTATCTTGGCTGTGGCTTCTTCAACCGCCAACCTTTCTAGCCTTTGCTCTGGCCCCCTCTCT
 CTCTGGGCATCCATAGAGCTTCAGAACTTGGTGGCATCAGGGCCCTGATCCAGGAGGCCCTGGTGTGT
 TGCCAGGGGCTGCTTGTCTGCAGTGTGTGTGTAGCCACGGACAGCTGGTACTTCTCCAGCCTCTCGAG
 ATCCACAGGGCTTTTCTCACACCTGCCAATTCTTGTACTACAACTGGACCCCAAAACCTTGCCAGG
 CACGGCACACACGACGGCTCACTCACTTGGCAGTCAATGGCTTCTGCTCTTTGGGGTGTGTCATGCTC
 AAGCTCTGCAGGCTGCATGGCAACAACCTCCACGCTGCCTCCGTGCATCCCCACAACGGGTCTCTCCAG
 GGTGCGGGGTGCCGGGGTCTGTGTCTAGCTCCAAGTCTTATCTCTCTCTTACTTTACACCCCTG
 CTCCTGCTTTCTGCCTTCAGCCATCAAGAGGCTAGATTTCTGATCCCTCCTAGTCCCTTAGTCCTGC
 TGTGCAGTCCACAACCCAACCTATACCCTGGAAGGCACCCTGGTCTTCAACATCCTGGGCGCTCT
 CATCTTTGGTTGCCTGCATCAGGGAGGCTGGTACCGGGCTGAAGTACCTGGAGCAGATAGTCCACAGC
 CCTGACCTCTCAGGCACGACCACCCACTACACACTTCTTTCACACACACCTACATGCCTCCCCAGACC
 TCTTACACCTCTCAGGCCTGGGATCACCGTGGAGGTGGTAGACATGGGTGGGGCTGAGGACAGGGTCT
 GTGTCAAGCCCTGAACAACCTCAGCAGACAACCTGCCTGCCAAGTGGCTGGTGGAGCCATGGCCCTGTCG
 CTCTTTGTGGTAACCTCTGGGACCAACAGGCACGCTCTGGAGAAGTGGCCTTTTCCCTCAAGAATGAGA
 CTCTCTTTTCCCACTTGACCCTGGAGGACCCTCCAGCCCTGCTCTCTGCTCAGTGGGGCTGGAG
 GAAGCACCTTAGTCTCCATGTCATAGAAGTGGAGACGCTGTTGTGACAAAGCAGCCCAAGGCTCAGCCA
TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_172822

Insert Size: 1683 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:

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_172822.3](#), [NP_766410.2](#)

RefSeq Size: 2184 bp

RefSeq ORF: 1683 bp

Locus ID: 239827

UniProt ID: [Q8BTP0](#)

Cytogenetics: 16 B2

Gene Summary: Mannosyltransferase involved in glycosylphosphatidylinositol-anchor biosynthesis. Transfers a fourth mannose to some trimannosyl-GPIs during GPI precursor assembly. The presence of a fourth mannose in GPI is facultative and only scarcely detected, suggesting that it only exists in some tissues (By similarity).[UniProtKB/Swiss-Prot Function]