

Product datasheet for **MR217217**

Pigz (NM_172822) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR217217 representing NM_172822
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGGTGGCAGCCAGGTGATTTGGGGTAGCTTCAGCCTGCTTCGTGTCTTATGGTGTCTCTTCCCC
 AGACTGGCTACATACACCCAGATGAATTCTCCAGTCACCTGAGGTCATGGCAGAGGACATCCTGGGTGT
 GCAGGCTACACGGCCCTGGGAATTTTACCCAGCAGCTCCTGCCCACTGTGGTCTTCCCACTGCTGACC
 TCTGGCTCTACCTTCTGGTTACTCAGGCTCTGGGAAGAGCTGGGGCTCTGGCCTGGTCTGGTGTGAGTGGCT
 ACATGCTGCTGGTGGGGCCCGATTCTTCTCACCGCCCTCTCTTTGCCCTGGACTGGGCTGTGTACGA
 TCTGGCCCGTTGTGGGGGCGAGATCGTTGGAATGCCTTGTGCCTGCTGTCTGGTTCCTATGTCACCCTG
 GTTTTCTACACAAGAACCTTCTCCAACACCATCGAGGGACTGCTTTCACCTGGCTGCTGGTGTGGTGT
 CCCCTGGTGTGGTAAGGAGTCTACATCAAAGAAGCCTACCCAGGTCCACGGTGGCACAGATATCTTCT
 TGGTGTATCTTGGCTGTGGCTTCTTCAACCGCCAACCTTTCTAGCCTTTGCTCTGGCCCCCTCTCT
 CTCTGGGGCATCCATAGAGCTTCAGAACTTGGTGGCATCAGGGCCCTGATCCAGGAGGCCCTGGTGTGT
 TGCCAGGGGCTGCTTCTGCTGCAGTGTGTGTGTAGCCACGGACAGCTGGTACTTCTCCAGCCTCTCGAG
 ATCCACAGGCGTCTTCTCACACCTGCCAATTCTTGTACTACAACTGGACCCCAAACTTGGCAGG
 CACGGCACACACGACGGCTCACTCACTTGGCAGTCAATGGCTTCTGCTCTTTGGGGTGTGTGATGCTC
 AAGCTCTGCAGGCTGCATGGCAACAACCTCACGGCTGCCTCCGTGCATCCCCACAACGGGTCTCTCCAG
 GGTGCGGGGTGCCGGGGTCTGTGTCTAGCTCCAAGTCTTATCTCTCTCTTACTTTACACCCCTG
 CTCCTGTTCTGCCTTACAGCCATCAAGAGGCTAGATTTCTGATCCCTCTAGTCCCTCTAGTCCCTGC
 TGTGCAGTCCACAACCCAACCTATACCTGGAAGGCACCCTGGTCTCTTCAACATCCTGGGGCGTCT
 CATCTTTGGTTGCCTGCATCAGGGAGGCTGGTACCGGGCTGAAGTACCTGGAGCAGATAGTCCACACG
 CCTGACCTCTCAGGCACGACCACCCACTACACACTTCTTTCACACACACCTACATGCCTCCCCAGACC
 TTTACACCTCTCAGGCCTGGGATCACCGTGGAGGTGGTAGACATGGGTGGGGCTGAGGACAGGGTCTCT
 GTGTCAAGCCCTGAACAACCTCAGCAGACAACCTGCCTGCCAAGTGGCTGGTGGAGCCATGGCCCTGTCGG
 CTCTTTGTGGTAACTCCTGGGACCAACAGGCACGCTCTGGAGAAGTGGCCTTTTCCCTCAAGAATGAGA
 CTCTCTTGTTCCTTCCCACTTGACCCTGGAGGACCCTCCAGCCCTGTCTCTGCTCAGTGGGGCTGGAG
 GAAGCACCTTAGTCTCCATGTCATAGAAGTGGAGACGCTGTTGTGACAAAGCAGCCCAAGGCTCAGCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217217 representing NM_172822
 Red=Cloning site Green=Tags(s)

MMVAAQVIWGSFLLRVLWCLLPQTGYIHPDEFFQSPEVMAEDILGVQATRPWEFYSSS CRTVVFPLLT
 SGSTFWLLRLWEELGLWPGLVSGYMLLVGPRFLLTALSFALDWAVYDLAPLWGADRWNALCLLSGSYVTL
 VFYTRTFSENTIEGLLFTWLLVLVSPGVRSPTS SKKPTGPRWHRYLLGVILAAGFFNRPTFLAFALAPLS
 LWGIHRASELGGIRALIQEALVLLPGAALAAVLCVATDSWYFSSL SRSTGVFLTPANFLYYNLDPQNLAR
 HGTHARLTHLAVNGFLLFGVLHAQALQAAWQLHA CLRASPQTGLSRVRGARGLLSSSKSYLLLFYFTPL
 LLLSAF SHQEARFLIPLL VPLVLL CSPQTQPIPWKGLVLFN ILGALIFGCLHQGLVPLKYLEQIVHT
 PDLSGTTHTYLLFTHTYMP PQHLLHL SGLGSPVEVDMGGAEDRVLCQALN NFSRQPACQLAGEPWPCR
 L FVVPTG TNRHALEKCRFPLKNETLLFPHLTLEDPPALSSLLSGAWRKHLSLHVIELETPVVT KQPKAQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9015_c06.zip

Restriction Sites:

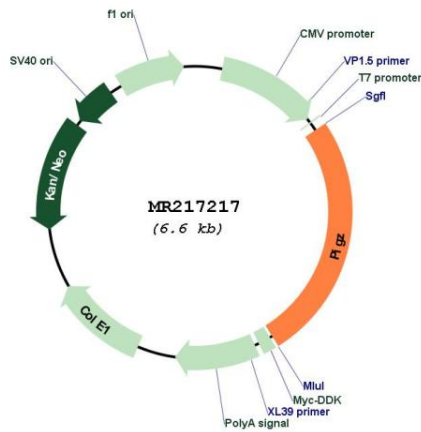
Sgfl-MluI

Cytogenetics: 16 B2

MW: 62.5 kDa

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]

Product images:



Circular map for MR217217