

Product datasheet for **MR219938**

Pgs1 (NM_133757) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgs1 (NM_133757) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pgs1
Synonyms:	2610019F11Rik; 4933424M23Rik; SAF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR219938 representing NM_133757
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCGCCGGCAGCGGGCCCGGTGTTCTGGAGGCGGTGCTGGCCCTGCTGCCTGGCAGGCCCGGGC
 TGGCCCGCTCCTGGGCCGCTCTCCGACCGTCTGGGCAGGAGCCGGGAGCGCCGCGCCGGAGGTCAAC
 ATGGCTGTTATTGGCTCCCTTGCTGTCCCAACCGTTCCTCAGGTCACCTCCCCACCTTGCTGCCTATGT
 CCCGAGGGTGTACACAGGTTCCAGTGGATCAGAAACCTGGTTCAGAGTTTGGAGTCTCCAGCTCTCATG
 TCAGGGTACTGTCTCCCTGCAGAGTTCCTCGAGCTCATGAAGGGGCAGATAAAAAAGCCAAGAGGGC
 AGTTGTGATGGCATCCCTCTACTTGGGGACAGGACCTTTGGAACAGGAACTGGTGGATTGTCTGGAAAGT
 TCTCTAGAAAAGTCACTCAAGCGAAGTTTCTTCCGACCTCAAGGTCTCCATTCTCTGGACTTCACCA
 GAGGCTCAAGAGGTAGGAAGAACTCTCGACTATGCTGCTCCACTCCTGCAGAGGTTCCAGAGCGCGT
 GCGCGTCTCCCTCTCCACACACCAACCTCCGAGGACTCCTCCGACTCCTTATCCCTGAGCGCTTCAAT
 GAGACCATCGGCCTCCAGCACATCAAGGTGTACCTCTTTGACAACAACGTCATCCTGAGTGGTGCAAACC
 TGAGTGACTCATACTTACCAACCGCCAGGACCGCTACGTGTTCTTGCAGGACTGCGCTGAGATTGCCGA
 CTTCTTACAGAGCTGGTGGACGCCGTGGGGATGTATCCTTGCAGTTGCAGGGCGACGACACAGTGGAG
 GTTGTGGATGGGATGGTGACCCCTTACAAAGGTGACCGGGCTGCGTACTGCAGAGCAGCGAAACAAGCGGG
 TCATGGACGTATCCACTCGGCCAGGGCCCGGCAGCAGATGCTGCACGCACAGACCTTTCACAGTGATTC
 TCTGCTGAGCCAGGAAGAGGCTGCAGCTGCCGGGACCGGAGGCCAGCGCCGACACCTGGATTTACCCA
 CTGATCCAGATGAAGCCCTTTGAGATTGAGATTGATGAGATAGTACGGAGACGCTGCTGACGGAGGCTG
 AGCGCGGAGCTAAGGTCTTCTCACCACCTGGCTACTTCAACCTGACCCAGGCCATACATGACCTGGTGT
 AGGCACTCGAGCTGAGTATCAGATCCTTCTAGCCTCACCGGAGGTGAATGGCTCTTTGGGGCTAAGGGC
 GTGGCGGCGCCATCCAGCCGCTATGTGCACATTGAGCGACAGTTCTACAGTGAAGTGTGTAGCCTGG
 GGCAGCAGGATCGGGTCCAGCTCCAGGAATACTGGCGCAGGGGTTGGACCTTTCATGCCAAAGCCCTCTG
 GCTGTACTGGCAGGGAGCAGCTGCCCTGCCCTCACGCTGATTGGCTCTCCTAATTTTGGGTACAGGTCA
 GTTACCAGGACCTGGAAGCCAGATTGCCATCGTGACGGAGAGCCGGTCCCTGCAGCAGCAGCTTCATC
 AGGAGCAAGAGCAGCTCTACCTGCGGTCTGGTGTGGTACCTCCGCAACCTTTGAGCAGCCAGGGCGGCA
 GGTCAGCTGTGGTGAAGATGGTGACCCCGCTAATCAAGAACTCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219938 representing NM_133757
 Red=Cloning site Green=Tags(s)

MAAPAAGPVFWRRLGLLPGRPLAALLGRLSDRLGRSRERRRRSPWLLLAPLLSPTVPQVTSPPCCLC
 PEGVHRFQWIRNLVPEFGVSSSHVRLSSPAEFFELMKGQIKIAKRRVVMASLYLGTGPLEQELVDCLES
 SLEKSLQAKFPSDLKVSILLDFTRGSRGRKNSRTMLLPLLQRFPERVRVSLFHTPNLRGLLRLLIPERFN
 ETIGLQHIKVVYLFDDNNVILSGANLSDSYFTNRQDRYVFLQDCAEIAFFTELVDVAVGDVSLQLQGDDTVE
 VVDGMVHPYKGDRAAYCRAANKRVMDVIHSARARQMLHAQTFHSDSLLSQEAAAAGDRRPAPDTWIYP
 LIQMKPFEIQIDEIVTETLLTEAERGAQVFLTTGYFNLTAQYMDLVLGTRAEYQILLASPEVNGFFGAKG
 VAGAIPAAVYHIERQFYSEVCSLGGQDRVQLQEWRRGWTFHAKGLWYLAGSSLPCLTLIGSPNFGYRS
 VHRDLEAQIAIVTESRSLQQQLHQEQEQLYLRSGVVTSAFTEQGRQVKLVWKMVTPLIKNNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

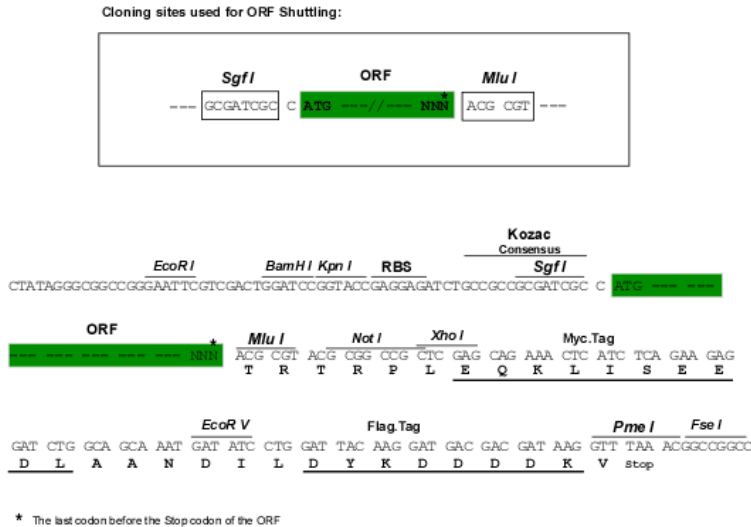
Chromatograms:

https://cdn.origene.com/chromatograms/mm9090_h08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_133757

ORF Size: 1659 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:**
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_133757.2](#), [NP_598518.1](#)

RefSeq Size: 2298 bp

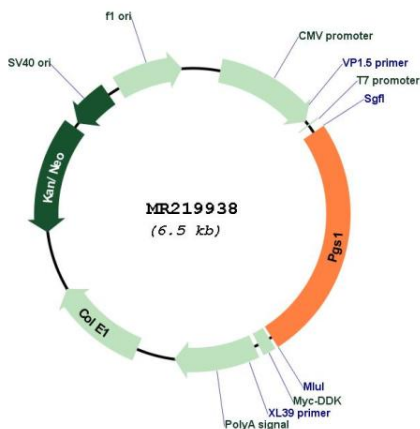
RefSeq ORF: 1662 bp

Locus ID: 74451

UniProt ID: [Q8BHF7](#)

Cytogenetics: 11 E2
MW: 62.5 kDa
Gene Summary: Functions in the biosynthesis of the anionic phospholipids phosphatidylglycerol and cardiolipin.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219938