

Product datasheet for **MR223537**

Pgap1 (NM_001163314) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgap1 (NM_001163314) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pgap1
Synonyms:	5033403E17Rik; 9030223K07Rik; A530084K22; D230012E17Rik; oto
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR223537 representing NM_001163314
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTTCTCCACTCAGTCAACCTCTGGAATCTGGCCTTCTATGTCTTCATGGTGTCTTCTGGCGACCCTGG
 GGCTGTGGGATGTCTTCTCGGCTTCGAGGAAAACAAGTGCAGCATGAGCTACATGTTCCAGTACCCCGA
 GTACCAGAAAATAGAGCTCCCAAAGAACTGACAAAGCGTTATCCAGCATATGAGTTATATCTTTACGGA
 GAAGGATCGTACGCTGAAGAACAACAAAATTCTCCCTTTGACAGGAATTCCTGTTCTCTTTCTTCTGGTA
 ATGCTGGAAGCTATAAGCAAGTTCGATCTATCGGCTCTATTGCACTTAGGAAAGCAGAAGACATCGACTT
 CAAGTACCACTTCGACTTCTTCAGTGTCAACTCAATGAAGAAGTGGTGGCATTGTATGGTGAAGCCTT
 CAGAAGCAGACCAAGTTGTACACGAGTGCATTAAGCGATTCTCAAACCTACAAGGGTCAAGAATTTG
 CTCCTACAAGTGTGGCAATAATTGGTCACTCAATGGGTGGCCTTGTGCCAGAGCATTGCTTACACTGAA
 AAATTTAAGCAAGATCTGATCAATCTTCTTGTACACAAGCTACTCCTCATGTGCCCCCTGTGATGCCA
 TTAGATCGTTTCATTACAGAGTTTTATATGAATGTAACAACATTTGGATTTAAATGCTCGGCACATAA
 ATTTGACTACACTTTCTGTGGCTGGAGGATCCGGGATTACCAAGTTCGTTCCAGGACTGACTTTTCTACC
 AAAATTGAGCCATTACACCAGTGCCTTATCTGTTGTGAGCTCAGCAGTGCCTAAGACCTGGGTCTCAACA
 GACCACCTCTCCATCGTGTGGTGTAAACAATTGCAGTTGACTACAATTCGAGCGTCTTTGATCTTATTG
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 CCAGTAAAAGTGTCCAGATGGTCCATATGTGGCTATAATGAATCTGATAAGATTTACTTTGCAATTCCTC
 TTGCAAAATCATAGAAAAATCTACACTCATGCCTATTGTGAGCAGCACCATGCTGGATACAAATAGTTGGAT
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 CCAACAATTAAGTCTCTGACGCTAAGACTTCAAGACTATCCATCCTTGTGCGCATATTGTTGTCTATGTGC
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 CCCTGTGACTCACCTTTTTCTTTGGACTGTCTCCAGGAAGGTGACGTTAAATACAAACGGCCTATAC
 TACAACATAGAGCTGCTGAACCTTTGACAGATATACCAAGCTTTTAAAGTCAACGTGGTCAAGTGA
 CTGGAAGCAAAGAAGAAATAACCAAGTATCTATAAACTTCATATCCCCTGGTCTATGAAGATTCATAAC
 CATCGCACAGGTTCCATCTTCCACAGACATTTCTGAAAGCTTCATGTTGCTCAGCCAGAAAATGACAGC
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 TCTTGGCTATGGAGGACAGTTATACTCACTCCTCTCAACAGGTTATTGCTTAGAATATTCTACCATATTG
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 GGTTTAAGGAATTATGGGATGCAGTGTTATTACCGGAATTAGATGCCATCGTTTTGACTAGCCAGAGTAT
 GTGTTTCCCTCTGTATCCTTGATTCTCTTTCTGTTTGGAAACATGTAAGTGCATGACTGAGTGGTCTACTC
 TCTTCTACATCTGTGACGCTTCTTCTTCTTCTGTTTGGAAACATGTAAGTGCATGACTGAGTGGACA
 ATATCAAGGTGATGTACCAGACTTGCCTGTTTGGACAGTGTCTTTCTCATAGTGAAGTGGACA
 TGGAGCACTTGCATACTTCTGTCTTATCTGACTATGTGTTTAAAGTTGTTTCTGCAAGCCAGCCTA
 ACTACATTTAAAAATAATCAGCCAGTGAATCCCAAACACTCTAGAAGAAGTGAAGAAAGTCCAACACC
 ATAAAGACTCTGTGTACAAAGTCTTCCGTTATGTGCTAATGATGCTGAAGACAGTCTTCGCATGCACAG
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 CTTAGGTATTATTTAACTTAGTCTGACCCATGCAAACCCCTGGCATTCTCCTTATTCCAGCTATAG
 CGATTCTCGAAACACTCACACTGTTTCAGTAAAGTCCAGTAAATGCTGAAGACCGTCTCCAGTTCCC
 ACTTCTCTGGCTGTGGCGTATTGCTTTTGGCTCCTCCACTTATACAGGGTCCCGTGTGTTTGTGATC
 ATTCTCTTGTGTTCCATGCGTTATGCAACTTTATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223537 representing NM_001163314
Red=Cloning site Green=Tags(s)

MFLHSVNLWNLAFYVFMVFLATLGLWDVFFGFEENKCSMSYMFYPEYQKIELPKKLTkryPAYELYL YG
 EGSYAEHkILPLTGIPVFLPGNAGSYQVRSIGSIALRKAEDIDFKYHDFFSVNFNEELVALYGGSL
 QKQTKFVHECIKAILKL YKQEFAPTSVAIIGHSMGGLVARALL TLKNFKQDLINLLVTQATPHVAPVMP
 LDRFITEFYMNVNNYWILNARHINLTTLSVAGGFRDYQVRSGLTFLPKLSHYTSALS SVSSAVPKTWST
 DHL SIVWCKQLQLTTIRAFFDLIDATKQITQPKKKLSVLNHHFIRHPAKQFEENPSIIISDLTGTSMWV
 PVKVSRSYVAYNESDKIYFAFLANHRKIYTHAYCQSTMLDTNSWIFGCINSTSMCRQGVDLSWKAELL
 PTIKSLTLRLQDYPSSLHIVVYVPSVHGSKFVVDCEFFKKEARSMQLPVTHLFSFGLSSRKVTLNTNGLY
 YNIELLNFQIYQAFKVNVSCKTGSKEEITSIYKLHIPWSYEDSLTIAQVPSSTDISLKLHVAQPENDS
 HVALLKMYTSSDCQYEVTIKTSFPQILGQVRFHGGALPAYVSSILLAYGGQLYSLSTGYCLEYSTIL
 DKEAKPYKDPFVIMIKFLLGKWFKELWDAVLLPELDAIVLTSQSMCFPLVSLILFLFGTCTAYWSGLL
 SSTSVQLLSSLWLALKRPAELPKDIKVMSPDLPVLTVVFLIVSWTTCGALAILLSYLYYVFKVHLQASL
 TTFKNNQPVNPKHSRRSEKSNHHKDSAVQSLRLCANDAEDSLRMHSTVINLLTWVLLSMPSLIYWLKN
 LRYFVKLSPDPCKPLAFLILPAIAILGNHTHTSVKSSKLLKTVSQFPLPLAVGVIAFGSSHLRYRVPFCVI
 IPLVFHALCNFM

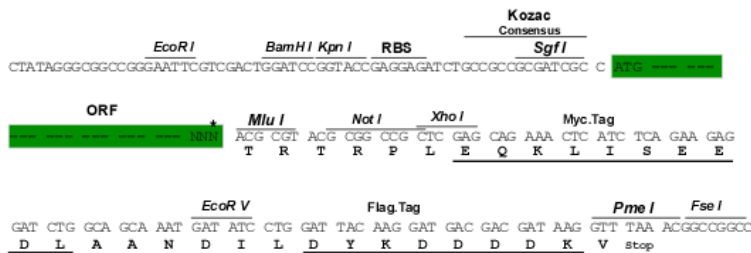
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9003_a12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



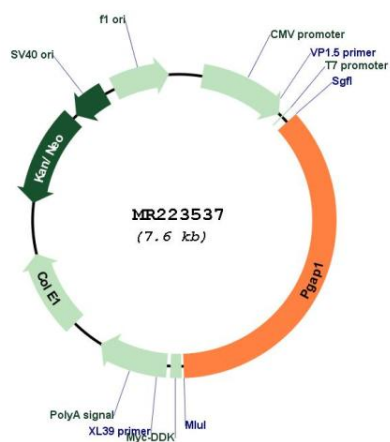
* The last codon before the Stop codon of the ORF

ACCN: NM_001163314

ORF Size: 2766 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:	<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:	NM_001163314.2 , NP_001156786.1
RefSeq Size:	2871 bp
RefSeq ORF:	2769 bp
Locus ID:	241062
UniProt ID:	Q3UUQ7
Cytogenetics:	1 C1.2
MW:	105 kDa
Gene Summary:	Involved in inositol deacylation of GPI-anchored proteins. GPI inositol deacylation may important for efficient transport of GPI-anchored proteins from the endoplasmic reticulum to the Golgi (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223537