

Product datasheet for **MG218058**

Pgap3 (NM_001033537) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgap3 (NM_001033537) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pgap3
Synonyms:	CAB2; D430035D22Rik; PerId1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218058 representing NM_001033537 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAAGCGGACGGCGCCGCTGCTGCTAACCTTGGCAGTGGGACTCGCGGGGGTTCCAGGGCG
ACCGCGAGCCCGTGTACCGGACTGCGTGTCCGATGCGAGGAACGGAAGTTCGGGAGACGCACTGAA
GCACTTCCGCTCCCGCCAGCCAATCTACATGAGCCTAGCTGGCTGGACCTGTCGGGACGACTGCAAGTAT
GAGTGTATGTGGTTCACCTGTTGGCCTCTACCTCAGGAGGGCCACAGAGTGCCTCAGTTCATGGCAAGT
GGCCCTTCTCCCGTTCCTGTTCAACAAGAGCCAGCTTCTGCCGTGGCCTCACTCCTCAATGGCCTGGC
CAGCCTGGTATGCTCTGCCGCTATCGCGCCTCTGTGCCAGCCTCTCCCCATGTACCATACCTGCATG
GCCTTCGTTGGGTGCTCTCAATGCTTGGTCTGGTCCACAGTCTCCATACCAGGGACACTGACCTCA
CAGAGAAGATGGACTACTTCTGCGCTTCAGCTGTCATCCTGCATTCTGTTTACCTGTGCTGTGCAGGAC
CGTGGGACTACAGCACCCGCTGTGGCCAGTGCCTTCGGTGCCTGCTGCTGCTGCTGACAGGACAC
ATATCCTACCTGAGCCTGTCCATTTGACTACGGCTACAACATGATGGCCAACGTGGCTATCGGCCTGG
TGAACCTGGCGTGGTGGTCTGGTGCCTACGGAACCGCCAGCGCCTCCCTCACACCCGAGGTGTAT
GGTGGTGGTAGTGTGCTGCAGGGGCTGTCCCTGCTGGAATTGCTTGACTTCCCGCCCTCTTCTGGGTC
CTGGACGCCACGCCATCTGGCACATCAGCACCATCCCGGTCCACACCCTTTTTTCAGGTTTCTGGAAG
ATGACAGCTTGTACCTACTGAAGGAATCTGGAGCCATGTTCAAGCTGGAC

ACGCGTACCGGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG218058 representing NM_001033537
 Red=Cloning site Green=Tags(s)

MAKRTAPLLLLLTLAVGLAGGSQGDREPVYRDCVLRCEERNCSGDALKHFRRSRQPIYMSLAGWTCRDDCKY
 ECMWFTVGLYLQEGHRVPQFHGKWPFSRFLFIQEPASAVASLLNGLASLVMLCRYRASVPASSPMYHTCM
 AFAWVSLNAWFSTVFHTRDLDLTKMDYFCASAVILHSVYLCCVRTVGLQHPVSAFAGALLLLLTGH
 ISYLSLVHFDYGYNMMAVAIGLVNLAWWLVWCLRNQRQLPHTRRCMVVVVLLQLGLSLELLDFPPLFW
 LDAHAIWHISTIPVHTLFFRFLEDDSLYLLKESGAMFKLD

TRTRPLE - GFP Tag - V

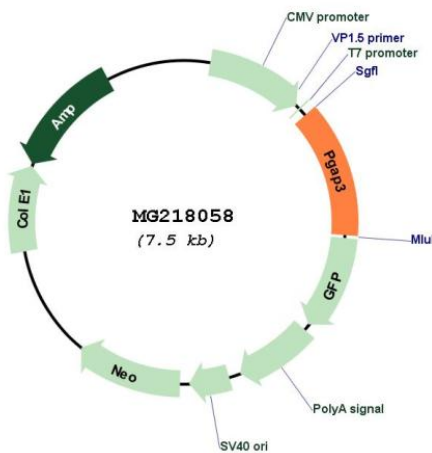
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001033537

ORF Size: 960 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_001033537.2 , NP_001028709.2
RefSeq Size:	2424 bp
RefSeq ORF:	963 bp
Locus ID:	320655
UniProt ID:	A2A559
Cytogenetics:	11 D
Gene Summary:	Involved in the lipid remodeling steps of GPI-anchor maturation. Lipid remodeling steps consist in the generation of 2 saturated fatty chains at the sn-2 position of GPI-anchors proteins. Required for phospholipase A2 activity that removes an acyl-chain at the sn-2 position of GPI-anchors during the remodeling of GPI (By similarity).[UniProtKB/Swiss-Prot Function]