

Product datasheet for **MG227589**

Pacrg (NM_027032) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pacrg (NM_027032) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pacrg
Synonyms:	1700008H23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227589 representing NM_027032 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGAAGAGGACTAACTGCTGCCACAACAGACGTTCCAGGTGCACCAGCCTCGTTCCTGGTTTCTG
AGGGCTTCACAGTCAAAGCCATGATGAAAACTCAGTCGTGCGGGTCTCCAGTTCAGGGGCATTTAA
AGAAAGGCGGCCAAACCCACACTTCCGAAAATGTTATGAGCGAGGAGACTTCCCAATCGCCCTTGAG
CATGACTCGAAAGGAAACAAAATTCCTGGAAGTTGAGATTGAGAAGTTGGACTACCATCATTACCTGC
CTCTGTTTTTGTGTTGTTCTGAAATGACGTTCCCTATGAGTTTTTGTCTCGCGGAGGAATCCACGA
CATGCTGGAACACGGAGGAACAAGATTCTACCTGTCATTCTCAGCTCATTATCCCAATAAAAAATGCC
TTGAACCTCCGAAACAGACAGATCATCTGTGTGACGCTCAAGTTCTCCAGCATCTGTTGTGTCTTCGG
AGATGGTGGGCGAAGCTTTGTTGCCCTACTACCGTCAGATCCTGCCAATCCTGAACATCTTTAAGAACAT
GAATGTGAACTCCGGGATGGCATCGACTACAGCCAGCAGAAGAGGGAGAACATTGGCGACCTGATCCAG
GAGACCCTAGAAGCCTTCGAGCGCTACGGAGGGGAGGACGCCCTTCATCAACATCAAATACATGGTGCCTA
CCTATGAGTCGTGCTTGTGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227589 representing NM_027032
Red=Cloning site Green=Tags(s)

MPKRTKLLPQQTfQVHQPRSLVSEGFTVKAMMKNSVVRGPPVAGAFKERPAKPTTFRKCYERGDFPIALE
 HDSKGNKIawkVEIEKLDYHHYLPLFFDGLSEMTFPYEFFARRGIHDMLEHGNGKILPVIPQLIIPKNA
 LNLNRNQIICVTLKVLQHLVVSSEMVGALLPYRQILPILNIFKNMNVNSGDGIDYSQQKRENIGDLIQ
 ETLEAFERYGGEDAFINIKYMVPTYESCLLN

TRTRPLE - GFP Tag - V

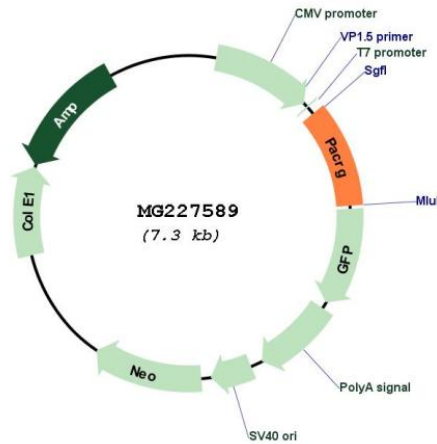
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_027032

ORF Size: 723 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_027032.2 , NP_081308.1
RefSeq Size:	1355 bp
RefSeq ORF:	726 bp
Locus ID:	69310
UniProt ID:	Q9DAK2
Cytogenetics:	17 7.8 cM
Gene Summary:	Suppresses cell death induced by accumulation of unfolded Pael receptor (Pael-R, a substrate of Parkin). Facilitates the formation of inclusions consisting of Pael-R, molecular chaperones, protein degradation molecules and itself when proteasome is inhibited (By similarity). [UniProtKB/Swiss-Prot Function]