

Product datasheet for **MG213224**

Arhgap27 (NM_183288) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arhgap27 (NM_183288) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Arhgap27
Synonyms: 2310069I04Rik; 5730442P18Rik; Gm21552; Sh3d20
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG213224 representing NM_183288
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGGACGTCGAGGGGGACGTGTACGTGCTGGTGGAAACCCCTTCGAGTACACCGGCAAAGACG
GGCGCCGATCGCCATCCAACCGAACGAGCGTTACCGACTGCTGCGCCGAGCACCAGCACTGGTGGCA
CGTGCGGGGAGCCCGGGGTCGCCCCCTTCTACCTCCCGCGCAGTACGTACGCGAGCTGCCCGCGCTC
GGCGACCCTGCCCGGCCCGCAGCCTTCGTACCGCAGCAGCGCCCGCAGTCCCGAACCTCTGGCT
ACGACTACCGCTTCGTGAGCACCCGGTGGCGCCGATGGTCTCTGCCGAGCCCGGGGCGCGCCAG
CTCCCTGTGTGGCCCTGCACGACAGCGCACCGGTGGCCAGCGCAACAGCCTGGCTCCGGGAGGGCCCGCC
TGCCTTTACGTGCGGCCCGCGGCCCTGTGCGACCGCGCAGTCCCTGGATGACTTGCGCGCGGGCGGTA
CCGCGCCCCCTGCCGGCCTCCTCGGCAGCGGGCCACTTCAAGGCCTCCAGCGTGGCGGGCTCCTGGGT
TTGTCCCCGGCCCTGGCGCCTAGCGACTCGGAGAATGTCTACGAGGCCATTCCGGACTTGCGCTGCCCT
CCGCGGGCAGAGAGCCCAAAGCAGGTAGGTCGCTGCGAGCGAGGGGGCCGGAGGGAGTCCAGTCCAGC
AGAGTCTAGATGCTTTTTTTTTTTTAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG213224 representing NM_183288
Red=Cloning site Green=Tags(s)

MAADVEGDVYVLVEHPFEYTGKDGRRRIAIQPNERYRLRRSTEHWWHVRREPGRPFYLPAAQYVRELPAL
 GDPAPAPQPSVPQQRPAVPEPLAYDYRFVSTPVGADGSSAEPGRASSLCGPARQRTGGQRNSLAPGGPA
 CLYVRPAAPVVRPAQSLDDLARGGTAPPAGLLGSAGHFKASSVAGSWVCPRLAPSDSENVYEAIPDLRCP
 PRAESPKQVGRCEGRREVTVQQSLDAFFFFN

TRTRPLE - GFP Tag - V

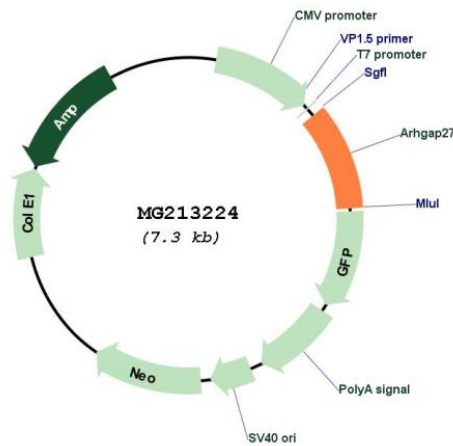
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_183288

ORF Size: 729 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_183288.3 , NP_899111.2
RefSeq Size:	1426 bp
RefSeq ORF:	732 bp
Locus ID:	544817
Cytogenetics:	11 E1
Gene Summary:	Rho GTPase-activating protein which may be involved in clathrin-mediated endocytosis. GTPase activators for the Rho-type GTPases act by converting them to an inactive GDP-bound state. Has activity toward CDC42 and RAC1 (By similarity).[UniProtKB/Swiss-Prot Function]