

Product datasheet for **MG218258**

Rab20 (NM_011227) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab20 (NM_011227) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rab20
Synonyms:	AA536966; D8Ertd350e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218258 representing NM_011227 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATCGGAAGCCGGATGGGAAGATCGTACTGCTGGGGACATGAACGTGGTAAAACGTCGCTGCTGCAGC
GCTACATGGAGCGTCGTTCCCGACACGGTCAGCACCGTGGCGGCGCCTTCTACCTGAAGCAGTGGCG
TTCCTTCAACATCTCCATATGGGACACCGCAGGGCGGAGCAGTTTCATGGTCTGGGCTCCCTGTACTGC
CGCGGAGCGGCCGCTATCATCCTTACATACGATGTGAACCACCCACAGAGCCTGTTTGAGCTGGAGGACA
GATTCCTGGGCCGTGACAGAAACAGCCAACAATGACTGCCTGTTTGCCATTGTGGGAACAAGTGGACCT
GACCTCGGAGCGGGACACCGAGGGCGGGAGAAGGAAGGACCGGCCTCTGGCAAGGTGGGACGTGTGTC
TCCACCAAGGTACCCAAGCAGGTGCAGCCAGAGGATGCAGTGGCCCTTTACAAGAAGATCCTGAAGTACA
AGATGCTGGATGAGAGGGAGATGCCAGCTGCTGAGCAGATGTGCTTCGAGACCAGTGCCAAGACTGGATA
CAATGTGGACCTCCTCTTTGAAACCTTGTGGACCTGGTGGTACCTATGATCATGCGGCAGAGGGCTGAG
GAGTCAGATCAGACTGTGGATATAGCCAGCTGCAAAACACCCAACAGACTAGATCCGGGTGTTGTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218258 representing NM_011227
Red=Cloning site Green=Tags(s)

MRKPDGKIVLLGDMNVGKTSLLQRYMERRFPDVTSTVGGAFYLKQWRSFNISIWDTAGREQFHGLGSLYC
 RGAAAIILTVDVNHQPQLFELEDRFLGLTETANNDCLFAIVGNKVDLTSERDTEGGEKEGPASGKVGSCV
 STKVPKQVQPEDAVALYKKILKYKMLDEREMPAAEQMCFETSAKTGYNVDLLFETLFDLVVPMIMRQRAE
 ESDQTVDIASCKTPKQTRSGCCA

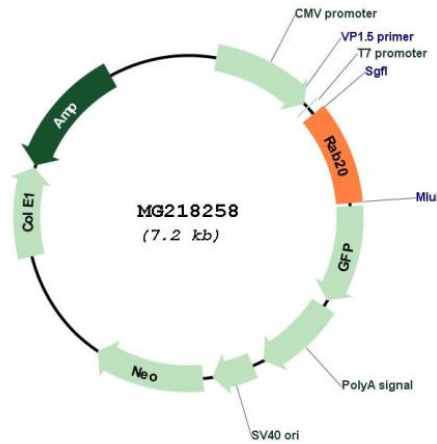
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011227

ORF Size: 699 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_011227.2
RefSeq Size:	722 bp
RefSeq ORF:	702 bp
Locus ID:	19332
UniProt ID:	P35295
Cytogenetics:	8 5.73 cM
Gene Summary:	Plays a role in apical endocytosis/recycling. Plays a role in the maturation and acidification of phagosomes that engulf pathogens, such as S.aureus and Mycobacterium. Plays a role in the fusion of phagosomes with lysosomes (By similarity).[UniProtKB/Swiss-Prot Function]