

Product datasheet for **MR228543**

Rab18 (NM_001278447) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab18 (NM_001278447) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rab18
Synonyms: AA959686
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228543 representing NM_001278447
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGAGGACGTGCTGACCACTCTGAAGATACTCATCATCGGCGAGAGTGGGGTGGGCAAGTCCAGCC
TGCTCCTGAGGTTACAGATGATACCTTTGATCCAGAACTGCAGCAACAATAGAATTTTCATTTCTTCA
AGGTGTTGACTTTAAGGTGAAAACGATTTCACTGGATGAAATAAGGCTAACTTGAATATGGGATACA
GCTGGTCAAGAGAGGTTCAAGACATTAACCTCCAGCTATTATAGAGGTGCACAGGGAGTTATATTAGTCT
ATGATGTCACAAGAAGAGACACCTTTGTTAAACTGGATAACTGGTTAAATGAATTGGAAACATACTGTAC
AAGAAATGACATAGTAAACATGCTAGTTGGAAATAAAATTGATAAGGAAAACCGTGAAGTCGATAGAAAT
GAAGGCTTGAATTTGCACGCAAGCATTCTATGTTGTTTATAGAGGCAAGTGCAAAAACCTGTGATGGTG
TACAGTGTGCCTTTGAGGAGCTTGTGAGAAGATCATTGAGACACCTGGCCTGTGGGAAAGTGAGAACCA
GAACAAAGGAGTCAAGCTGTACACAGGGAAGAGAGCCGCGGAGGAGGCGCCTGCGGCGGTTACTGCTCT
GTGCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228543 representing NM_001278447
 Red=Cloning site Green=Tags(s)

MDEDVLTTLKILIIIGESGVGKSSLLLRFTDDTFDELAATIEFSFLQGVDFKVKTISVDGNKAKLAIWDT
 AGQERFRTLTPSYRGAQGVILVYDVTRRDTFVKLDNWLNELEYCTRNDIVNMLVGNKIDKENREVDRN
 EGLKFARKHSMLEIASAKTCDGVQCAFEELVEKIIQTPGLWESENQNGVKLSHREESRGGGACGGYCS
 VL

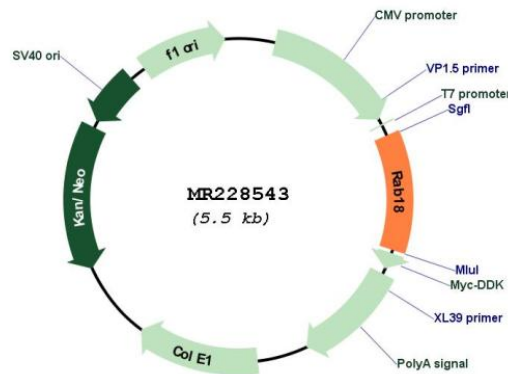
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001278447

ORF Size: 636 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_001278447.1 , NP_001265376.1
RefSeq Size:	3688 bp
RefSeq ORF:	639 bp
Locus ID:	19330
Cytogenetics:	18 4.53 cM
MW:	24.2 kDa
Gene Summary:	This gene encodes a member of the Ras-related small GTPases, which regulate membrane trafficking in organelles and transport vesicles. This protein is expressed predominantly in lipid droplets, organelles that store neutral lipids, and is proposed to play a role in lipolysis and lipogenesis. In humans mutations in this gene are associated with Warburg micro syndrome type 3. A pseudogene of this gene is located on chromosome X. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2013]