

Product datasheet for **MC226332**

Rab18 (NM_001278447) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab18 (NM_001278447) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rab18
Synonyms: AA959686
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226332 representing NM_001278447
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACGAGGACGTGCTGACCACTCTGAAGATACTCATCATCGGCGAGAGTGGGGTGGGCAAGTCCAGCC
TGCTCCTGAGGTTACAGATGATACCTTTGATCCAGAACTGCAGCAACAATAGAATTTTCATTTCTTCA
AGGTGTTGACTTTAAGGTGAAAACGATTTCAAGTGGATGAAATAAGGCTAACTTGAATATGGGATACA
GCTGGTCAAGAGAGGTTCAAGACATTAACCTCCAGCTATTATAGAGGTGCACAGGGAGTTATATTAGTCT
ATGATGTCACAAGAAGAGACACCTTTGTTAAACTGGATAACTGGTTAAATGAATTGGAAACATACTGTAC
AAGAAATGACATAGTAAACATGCTAGTTGGAAATAAAATTGATAAGGAAAACCGTGAAGTCGATAGAAAT
GAAGGCTTGAATTTGCACGCAAGCATTCTATGTTGTTTATAGAGGCAAGTGCAAAAACCTGTGATGGTG
TACAGTGTGCCTTTGAGGAGCTTGTGAGAAGATCATTGAGACACCTGGCCTGTGGGAAAGTGAGAACCA
GAACAAAGGAGTCAAGCTGTCACACAGGGAAGAGAGCCGCGGAGGAGCGCCTGCGGCGTTACTGCTCT
GTGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001278447
Insert Size: 639 bp



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| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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: | <u>NM_001278447.1</u> , <u>NP_001265376.1</u> |
| RefSeq Size: | 3688 bp |
| RefSeq ORF: | 639 bp |
| Locus ID: | 19330 |
| Cytogenetics: | 18 4.53 cM |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p> |