

Product datasheet for **RN208227**

Rab18 (NM_001012468) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rab18 (NM_001012468) Rat Untagged Clone
Tag: Tag Free
Symbol: Rab18
Synonyms: MGC109292
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN208227 representing NM_001012468
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGAGGACGTGCTGACCACTCTGAAGATCCTCATCATTGGCGAGAGTGGGGTGGCAAGTCCAGCC
TGCTCCTGAGGTTACAGACGACACCTTTGATCCAGAACTGCAGCAACAATAGGTGTTGACTTTAAGGT
GAAAACGATTTTCAGTGGATGAAATAAGGCTAACTTGAATATGGGATACAGCTGGTCAAGAAAGGTT
AGAACATTAACCTCCAGCTATTATAGAGGTGCACAGGGAGTTATATTAGTCTATGATGTCACAAGAAGAG
ACACCTTTGTTAACTGGATAATTGGTTAAATGAATTGGAACATACTGTACAAGAAATGACATAGTAAA
CATGCTAGTTGAAATAAAATTGATAAGGAAAACCGTGAAGTCGATAGAAATGAAGGCTTGAAATTTGCA
CGCAAGCATTCTATGTTGTTTCATAGAGGCAAGTGCAAAAACCTGTGATGGTGTTCAGTGTGCCTTTGAGG
AGCTGGTTGAAAAGATCATCCAGACACCTGGACTGTGGGAAAGTGAGAACCAGAACAAAGGAGTCAAGCT
GTCCCCAGGGAGGAGAGCCACGGGGAGGAGCCTGTGGCGGTTACTGTTCTGTGCTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001012468
Insert Size: 621 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).
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_001012468.1</u> , <u>NP_001012486.1</u>
RefSeq Size:	1776 bp
RefSeq ORF:	621 bp
Locus ID:	307039
UniProt ID:	<u>Q5EB77</u>
Cytogenetics:	17q12.1
Gene Summary:	Plays a role in apical endocytosis/recycling. May be implicated in transport between the plasma membrane and early endosomes. Plays a key role in eye and brain development and neurodegeneration (By similarity).[UniProtKB/Swiss-Prot Function]