

Product datasheet for MC209270

Rab12 (NM_024448) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab12 (NM_024448) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rab12
Synonyms:	2900054P15Rik; AW555448; C77700
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209270 representing NM_024448 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCCACGCGCCGCTGCACCGCGGCCCGCGGGCGGCAGCCTGGGCGGGTCTCCCGGCGCTGT
CGGGCGGCCAGGCCCGCCGGAGGAAGCAGCCCCCAGGCCGGCCGACTTCAAGCTGCAGGTCATCATCAT
CGGCTCCCGCGCGTGGGCAAGACCAGCCTGATGGAGCGCTTACCGACGACACGTTCTGCGAGGCCTGC
AAGTCCACCGTGGGTGTGACTTTAAAAATCAAGACTGTAGAACTAAGAGGAAGAAAATTAGATTACAGA
TCTGGGACACAGCAGGGCAGGAGCGATTTAACAGCATTACCTCAGCCTATTACAGAAGTGCCAAGGGGAT
CATACTCGTATATGACATCACCAAGAAGGAGACGTTTCGATGACTTGCCAAAGTGGATGAAGATGATTGAC
AAGTATGCTTCAGAAGACGCCGAGCTCCTCCTGGTTGAAATAAGCTGGACTGTGAGACAGACAGAGAAA
TCTCAAGGCAGCAAGGAGAAAAGTTTGACAGCAGATAACCGGGATGCGCTTCTGCGAAGCCAGTGCCAA
GGACAATTTCAATGTGGACGAGATCTTTCTGAACTTGTGTGATGATTTCTGAAAAGATGCCTCTTGAT
GTTTTGAGAAACGAGTTATCCAATAGCATCCTTTCTCTACAACCGAGCCTGAGATCCCACCAGAGCTGC
CTCCTCCAGACCACACGTCCGATGCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_024448
Insert Size:	732 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:	NM_024448.2 , NP_077768.2
RefSeq Size:	2010 bp
RefSeq ORF:	732 bp
Locus ID:	19328
UniProt ID:	P35283
Cytogenetics:	17 E1.1
Gene Summary:	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (By similarity). That Rab may play a role in protein transport from recycling endosomes to lysosomes regulating, for instance, the degradation of the transferrin receptor. Involved in autophagy.[UniProtKB/Swiss-Prot Function]