

Product datasheet for **RN203900**

Rab1a (NM_031090) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab1a (NM_031090) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rab1a
Synonyms:	Ac2-048; Rab1; Rab1r
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203900 representing NM_031090 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCCAGCATGAATCCCGAATATGATTATTTATTCAAGTTACTCCTGATTGGCGACTCTGGGGTTGGAA
AGTCTTGCCTTCTCCTTAGGTTTGGGATGACACGTATACGAAAGCTACATCAGCACGATTGGTGTGGA
TTTCAAGATACGGACTATAGAGCTAGACGGGAAAACAATCAAGCTTCAGATATGGGACACAGCAGGCCAG
GAAAGATTTGAACAATCACCTCCAGTTATTACAGAGGAGCCCATGGCATCATAGTTGTGTATGATGTGA
CAGACCAGGAGTCCCTCAATAACGTGAAACAGTGGCTGCAGGAGATCGATCGCTACGCCAGCGAAAATGT
CAACAAGTTGTTGGTAGGGAACAAATGTGACCTGACCACAAAGAAAGTAGTAGACTACACAACAGCCAAG
GAATTTGCAGATTCCTTGGAAATCCATTTTTGGAAACCAAGTGTCTAAGAACGCAACGAATGTAGAACAGT
CTTTCATGACCATGGCAGCGGAGATTAAGGCGGATGGGTCCTGGAGCAACAGCTGGAGGTGGGAGAA
GTCCAATGTTAAAATCCAGAGCACTCCAGTCAAGCAGTCAGGTGGAGGCTGCTGC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031090

Insert Size: 618 bp

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).



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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_031090.2</u> , <u>NP_112352.2</u>
RefSeq Size:	1425 bp
RefSeq ORF:	618 bp
Locus ID:	81754
UniProt ID:	<u>Q6NYB7</u>
Cytogenetics:	14q22
Gene Summary:	may have GTPase activity; may regulate intracellular protein transport from the endoplasmic reticulum to the Golgi apparatus [RGD, Feb 2006]