

## Product datasheet for MC203438

### Ralbp1 (NM\_009067) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ralbp1 (NM_009067) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ralbp1
Synonyms:	Rip1; RLIP76
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC076636

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TCCAATCATTGTAACAGGCGAAGGCTGGGCGGGTGGGAATGGGGCTCCCGCGGCCGGCCGGGGTGC
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CGGAGGAGTACTCGTCCGACAGCGAGAGTGAGAGCGAGGACGAGGAGGAGCTGCAGCTCATCCTGGAGGA  
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 GGTATCATGGGTTTTTAAATAGTATTTTATTACAAATGTCTCGATGTTGGTTAACTAATTTTTGCCAG  
 GACCATTATTGATCAAGGAAATAAATTCACAGCCATTTGAGAAAAAATAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM\_009067
- Insert Size:** 1947 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).
- 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:**
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:** [BC076636](#), [AAH76636](#)
- RefSeq Size:** 3705 bp

RefSeq ORF: 1947 bp

Locus ID: 19765

UniProt ID: [Q62172](#)

Cytogenetics: 17 35.26 cM

**Gene Summary:** Can activate specifically hydrolysis of GTP bound to RAC1 and CDC42, but not RALA. Mediates ATP-dependent transport of S-(2,4-dinitrophenyl)-glutathione (DNP-SG) and doxorubicin (DOX) and is the major ATP-dependent transporter of glutathione conjugates of electrophiles (GS-E) and DOX in erythrocytes. Can catalyze transport of glutathione conjugates and xenobiotics, and may contribute to the multidrug resistance phenomenon. Serves as a scaffold protein that brings together proteins forming an endocytotic complex during interphase and also with CDK1 to switch off endocytosis, One of its substrates would be EPN1/Epsin (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.