

## Product datasheet for **MC228575**

### Ralbp1 (NM\_001198949) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ralbp1 (NM_001198949) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ralbp1
Synonyms:	Rip1; RLIP76
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228575 representing NM\_001198949  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACTGAGTGCCTCCTGCCCCGAGCAGCAGCCCTAGTGAACACCCGAGGGCCGAGCATGGCAGCGGGC  
 TGACCCGACCCCGAGCTCTGAGGAGATCAGTCCACAAAGTTCCTGGATTGTACCGGACAGGCGAGCC  
 CTCGCCTCCCATGACGTCTCCATGAGCCTCCTGATACAGTGTGATGACGACAAAGACCATGGAAAG  
 AAAAAAGGGAAATTTAAGAAAAAGGAGAAAAAGGACTGAAGGCTACGCTGCCTTCCAGGAAGACAGCTCTG  
 GAGATGAAGCTGAAAGTCTTCAAGGTGAAGAGTCCAAGGGAATCCATGTGTTCAAAAAGCCAGTTT  
 CTCTAAAAAGAAGAAAAAGATTTTAAATCAAAGAAAAACCAAGAAGAAAAGCATAAAGAAGAAAAAG  
 CACAAAGAGGAAAAGCATAAAGAAAAGAAATCGAAAGACTTGACAGCAGCTGATGTTGTTAAACAGTGGA  
 AGGAAAAGAAGAAAAAGAAAAGCCAATTCAGGAGCCAGAGGTGCCTCAGATGGACGCACCGAGTGTCAA  
 GCCATTTTTGGGGTTCCTTGGTTGACGCAGTAGAGAGGACCATGATGTACGACGGCGTCCGGCTGCCA  
 GCTGTCTTCCGGGAGTGTGTGGACTACATGGAGAAGCACGGCATGAAGTGTGAAGGCGTCTACCGGTGT  
 CAGGAATCAAATCAAAGGTAGATGAGCTAAAAGCAGCCTATGACCGAGAGGAGTCTCAAACCTAGAAAG  
 ATATGAGCCTAACACTGTAGCCAGCTTGTGAAGCAGTATTTGCGAGACCTTCCAGAGAATTTGCTTACC  
 AAAGAGCTTATGCCCGGTTTGAAGAGGCTTGTGGGAAGACCACAGAGATGGAGAAAAGTGCAGGAATTC  
 AGCGCTTGTCCGGGAAGTGCAGGAGTGAATCATCTTCTGCTTTCCTGGCTCATTGTGCACCTGGACCA  
 CGTCATTGCGAAGGAGCTGGAACGAAGATGAACATCCAGAATCTCTATAGTGTGAGCCCCACCGTG  
 CAGATCAGCAATCGGGTCTGTACGTGCTTTTACACATGTGCAAGAGCTCTTGGCACCGTGGTCTCTGA  
 AGCAAGTAACAAGACCTCTGCGTGGTCCAACATGGCCACGATGCCACACTGCCAGAGACCCAAGCAGG  
 CATCAAGGAGGAGATCAGGAGACAGGAGTTCCTTTTGAATTGTTTACATCGAGATCTGCAGGGCGGATA  
 AAGGACTTATCTAAAGAAGAAAGATTATGGGAAGTACAGAGGATTCTGACTGCCCTCAAGAGAAAGCTGA  
 GGAAGCTAAAAGACAAGAGTGTGAAACCAAGATTGCACAGGAGATAGCTAGTCTTTCAAAAAGAGGATGT  
 TTCAAAGAAGAAATGAATGAAAACGAAGAAGTTATAAATATCTTCTTGGCCAGGAGAATGAAATCCTG  
 ACAGAACAGGAGGAGCTCCTGGCCATGGAGCAGTTCTGCGTCGTGATGCGCTCAGAGAAAGAAGAGA  
 TCGACCGCTCCGAGCTGAAATGCGGAGATCCAGAGCCGTGAGCAGCATGGCCGAGTGCAGCGGAGGA  
 GTACTCGTCCGACAGCGAGAGTGCAGGAGGAGGAGGAGTGCAGCTCATCTGGAGGACCTGCAG  
 CGGCAGAACGAGGAGTTAGAAATAAAGAACAATCACTTGAACCAAGCAGTCCATGAGGAGCGGGAGGCCA  
 TCATCGAGCTCCGAGTGCAGCTCCGGCTGCTCCAGATGCAGCGAGCCAAGTCTGAGCAGCAGCCGAGGA  
 GGAGGAGGAGCCGAGAGGCGAGGGGCAATAGGCCACCGCCCTGTGACGGTGTCTCGAGGTGCGGGTA  
 GCCAAGGAGCAGGCGAAGGCCTCGCCAGCAAAGACCGGAAGGAGACGCCCAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001198949

**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).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001198949.1, NP_001185878.1</u>
<b>RefSeq Size:</b>	3788 bp
<b>RefSeq ORF:</b>	1947 bp
<b>Locus ID:</b>	19765
<b>UniProt ID:</b>	<u>Q62172</u>
<b>Cytogenetics:</b>	17 35.26 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) has an alternate 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>