

## Product datasheet for **SC116110**

### **PRA1 (RABAC1) (NM\_006423) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRA1 (RABAC1) (NM_006423) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRA1
Synonyms:	PRA1; PRAF1; YIP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116110 sequence for NM_006423 edited (data generated by NextGen Sequencing)

```
ATGGCAGCGCAGAAGGACCAGCAGAAAAGATGCCGAGGCGGAAGGGCTGAGCGGCACGACC
CTGCTGCCGAAGCTGATTCCCTCCGGTGCAGGCCGGGAGTGGCTGGAGCGCGCCCGCGG
ACCATCCGGCCCTGGAGCACCTTCGTGGACCAGCAGCGCTTCTCACGGCCCCGCAACCTG
GGAGAGCTGTGCCAGCGCCTCGTACGCAACGTGGAGTACTACCAGAGCAACTATGTGTTCT
GTGTTCTGGGCCTCATCCTGTACTGTGTGGTGACGTCCCTATGTTGCTGGTGGCTCTG
GCTGTCTTTTTCGGCGCCTGTTACATTCTATCTGCGCACCTTGGAGTCCAAGCTTGTG
CTCTTTGGCCGAGAGGTGAGCCCAGCGCATCAGTATGCTCTGGCTGGAGGCATCTCCTTC
CCCTTCTTCTGGCTGGCTGGTGC GGCTCGGCCGTCTTCTGGGTGCTGGGAGCCACCTG
GTGGTCATCGGCTCCCACGCTGCCTCCACCAGATTGAGGCTGTGGACGGGGAGGAGCTG
CAGATGGAACCCGTGTGA
```

Clone variation with respect to NM\_006423.2



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006423 unedited  
 NGTTCCGATTTGTAAACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCGGGCTGGT  
 TACAGCAGCTCTACCCCTCAGACGCAAACATGGCAGCGCAGAAGGACCAGCAGAAAGATG  
 CCGAGGCGGAAGGGCTGAGCGGCACGACCCTGCTGCCGAAGCTGATTCCTCCGGTGCAG  
 GCCGGGAGTGGCTGGAGCGGCCGCGCGACCATCCGGCCCTGGAGCACCTTCGTGGACC  
 AGCAGCGCTTCTACGGCCCCGCAACCTGGGAGAGCTGTGCCAGCGCCTCGTACGCAACG  
 TGGAGTACTACCAGACAACTATGTGTTCTGTTCTCTGGGCCTCATCTGTACTGTGTGG  
 TGACGTCCCCTATGTTGCTGGTGGCTCTGGCTGTCTTTTTTCGGCCCTGTTACATTCTCT  
 ATCTGCGCACCTTGGAGTCCAAGCTTGTCTCTTTGGCCGAGAGGTGAGCCCAGCGCATC  
 AGTATGCTCTGGCTGGAGGCATCTCCTTCCCCTTCTTCTGGCTGGCTGGTGGGGCTCGG  
 CCGTCTTCTGGGTGCTGGGAGCCACCCTGGTGGTATCGGCTCCCACGCTGCCTTCCACC  
 AGATTGAGGCTGTGGACGGNGAGGAGCTGCAGATGGAACCCGTGTGAGGTGTCTTCTGGG  
 ACCTGCCGGCTNCCGGNCCAGCTGCCACCCTGCCATGCCTGTCTGCACGGCTCT  
 GCTGCTCGGGCCACAGCGCCGTCATCACAAGCCGGGGAGGGATCCCCTTTGAAAA  
 TAAGCTNGTATGGGTGTCATTAGAAAAAANAAAACTCGACTCTAGATTGCNGCC  
 CCGTCTATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCAGTG  
 CCTCTCTGGCCCTGGN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_006423 unedited  
 GGCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTCTGAATGACACCATAACAGC  
 TTTATTTTCAAAGGCGGGATCCCTCCCCGGCTTGTGATGGGACGGCGCTGTGGGCCGA  
 TCATCATATCCGTGCAGGACAGGCATGGCAGGGTGGGCATCTGGCCGGGAGGCCGG  
 CAGGTCCCATAAGACACCTCACACGGTTCATCTGCAGCTCCTCCCGTCCACAGCCTC  
 AATCTGGTGAAGGCAGGTGGATCCGATGACCACCAGGGTGGCTCCCATCACCCATAA  
 GACGGCCGAGCCGACACAGCCAGCCAGCAATAAGGGGAAGGAGATGCCTCCAGCCAGATC  
 ATACTGATGCGCTGGGCTCACCTCTCGCCAAAGAGCACAAGCTTGGACTCCAAGGTGCG  
 CATATAGATAATGTAACAGGCGCCGAAAAAGACAGCCAGACCCAGCAACATAGGGGA  
 CGTCACCACACAGTACAGGATGAGGCCAGGAACGAAACACATAGTTGCTCTGGTAGTA  
 CTCCACGTTGCGTACGATGCGCTGGCACAGCTCTCCATGTTGCGGAGCCGTGATAATCG  
 CTGCTGGTCCACGAAGGTGCTCCATGGCCGATGGTCCGCGGNGCCGCTCCATCCACTC  
 CCGGCTGCACCGAGGGAATCATCTTCGCGAGCAAGGTGTCGCCGCTCATCCCTTTCGC  
 CTCGGCATCTTTCTGCTGGTCTTCTGCGCTGCCATGTTTGCCTGTGAGGGTAAATCT  
 GCTGTACCANCCGCTCGTGCCGATTTGCGCGCCCTTTAGTGATTGTTTACAAATTC  
 TGACGGTTACTAAACAGCTTTGTTATATAGACTCCACGTACACGCTACCGCCCTTGGGT  
 AAACGGGGCGGGTATTACGACTTTGGAAGTCCGTTGATTTGTCCAACAACCTCCATGACG  
 GAATGG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_006423

**Insert Size:**

850 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).

<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>	<a href="#">NM_006423.1</a> , <a href="#">NP_006414.1</a>
<b>RefSeq Size:</b>	770 bp
<b>RefSeq ORF:</b>	558 bp
<b>Locus ID:</b>	10567
<b>UniProt ID:</b>	<a href="#">Q9UI14</a>
<b>Cytogenetics:</b>	19q13.2
<b>Domains:</b>	PRA1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	General Rab protein regulator required for vesicle formation from the Golgi complex. May control vesicle docking and fusion by mediating the action of Rab GTPases to the SNARE complexes. In addition it inhibits the removal of Rab GTPases from the membrane by GDI. [UniProtKB/Swiss-Prot Function]