

## Product datasheet for **RN212320**

### **Pacs1 (NM\_134406) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pacs1 (NM_134406) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pacs1
Synonyms:	Pacs-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:**

>RN212320 representing NM\_134406  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGAACGTGGAGGGCGGGCGGTGGTCCCGAGGCGCCGGGGCGGCAGCAGTCAGCGGGGCTCTG  
 GGGTTGCCAGTCCCGCAGCAGCAGCCCGCAGCAGCCATCTCAGCCGCAACAGCCAACGCCCCCAA  
 ACTGGCCAGGCCACCTCGTCTCTCGTCCACCTCGGCTGCGGCCGCCTCCTCCTCGTCTCTCCACC  
 TCCACCTCCATGGCCGTGCGGTGGCCTCGGGCTCTGCGCCTCCCGCGGTCCGGGACCAGGCCGACCC  
 CCGCCCCAGTGCAGATGAATTTGTATGCTACCTGGGAGGTGGACCGGAGCTCATCCAGCTGCGTGCCAG  
 ACTCTTCAGTTTGACTCTGAAGAACTTGTATGCTTAAAGAAATGGACAAAGATCTTAACTCAGTAGTC  
 ATTGCTGTGAAGTGCAGGGTTCAAAAGGATTCTTCGCTCTAATGAGATCATCCTTCCAGCCAGTGGCC  
 TGGTGGAAACAGAGCTCCAGTTAACCTTCTCCCTCCAGTACCCTCATTTCTTAAGCGAGATGCCAACAA  
 ACTGCAGATTATGTTGCAAAGGAGGAAGCGGTACAAGAACCGACTATCTTGGGTATAAAACCTTGGCT  
 GTGGGACTCATCAACATGGCAGAGGTGATGCAACACCCTAACGAGGGTGTCTTAGTACTTGGCCTGCATA  
 GCAACGTAAGGATGTCTCTGTGCCTGTGGCAGAAATAAAAATCTACTCTTTATCCAGCCAGCCATTGA  
 CCATGAAGGAATCAAGTCTAAGCTGTCTGATCGCTCCCGAGATATTGACAACACTCTGAAGAAGAGGAG  
 GAAAGTTCTCCTCAGAGCAGGAAGGCAGTGTGACCCATTACATGGACAGGACCTATTCTATGAAGATG  
 AAGATCTTCGAAAGTAAAGAAGACTCGAAGGAAACTGACCTCAACCTCAGCCATCACTAGGCAACCGAA  
 CATCAAACAGAAGTTTGTGGCCCTCTGAAACGATTCAAAGTTTCTGATGAGGTGGGCTTTGGGCTAGAA  
 CATGTGTCAAGGGAGCAGATTCGGGAAGTGAAGAGGACCTGGATGAACTATACGACAGCTAGAAATGT  
 ACAACCCAGCAGCAGTGGCCCTGAGATGGAAGAAACAGAAAGCATCTCAGCACCCCAAGCCCAAGCT  
 CAAGCCCTTCTTTGAGGGGATGTCTCAGTCCAGCTCACAGACGGAGATCGGCAGTCTCAACAGCAAGGGC  
 AGCCTTGAAAAGACACCACCAGCCCTATGGAATTGGCAGCTTTAGAAAAAGTTAAGTCTACTTGGATTA  
 AAAACCAAGATGACAGCTTGACTGAAACAGACACTTTAGAAATCACTGACCAGGACATGTTTGGAGATGC  
 GAGCACAAGTCTGGTTGTACCAGAAAAAGTCAAACTCCTATGAAGTCCAGCAAAGCTGATCTGCAGGGC  
 TCCGCCTCGCCGAGCAAGGTGGAAGGGACACACACCTCGCCAAAAGAGGAGCACTCCCCTGAAGGAGC  
 GGCAGCTCTCCAAGCCCCTGAGTGAGAGGACCAACAGCTCTGACAGTGAAGGCTCTCCTGACCTAGGGCA  
 CAGCACACAGATCCACGAAAGGTGGTATACGATCAACTGAATCAGATCCTGGTTTCCGATGCAGCGCTC  
 CCTGAGAAATGTCATCCTGGTGAACACCAGGACTGGCAGGGCCAGTATGTGGCCGAATTGCTTCAAGACC  
 AGAGGAAGCCTGTTGTGTGTACCTGCTCAACAGTGGAGGTCCAGGCCGTGTTGTCTGCCCTGCTCACTAG  
 GATTCAGCGCTACTGCAACTGCAACTCATCTATGCCGAGGCCAGTCAAGGTGGCAGCTGTGGGCAGCCAG  
 AGTTACCTGAGCTCCATCCTTCGGTTTTTTGTCAAGTCCCTTGCCAGCAAAGACCCCGGACTGGCTGGGCC  
 ACATGCGCTTCTCATCGTTCCCTAGGTTCTCATCCAGTGGCCAAATACTTGGGCTCAGTAGATAGTAG  
 ATATAGCAGCACCTTTCTTGATTCTGCTGGAGAGACCTGTTAGTCCGCTCAGAGCCTCCAGTGTGAGAG  
 CCAGTGGATGTGGTGGTTCGTGTGATGCAGTATGTCAATGGAGCTACCACAACGCACCAGCTGCCTGTGG  
 CTGAAGCCATGTTGACCTGCAGGCATAAGTTCCCTGATGAAGACTCCTACCAGAAGTTTATCCCCTTCAT  
 TGGTGTGTGAAAGTGGCCCTTGTGAAGACTCGCCCTCCAGTGCAGGTGATGGGGACGATTCACCTGTG  
 GTCAGCCCTACTGTGCCCTCCACATCACCACCCTCAAGCTCGGGCCTGAGCCGAGATGCCACAGCTACCC  
 CTCCCTCATCCCCATCCATGAGCAGTGCCTCGCCATCGTGGGGAGCCAAATAGCCCTTATGGGGATGT  
 GATTGGCCTCCAGGTGGATTACTGGCTGGGCCACCCTGGGGAGCGAAGGAGAGAAGGTGATAAGAGGGAC  
 GCCAGTTCAAAGAATACCCTCAAGAGTGTCTCCGCTCAGTGCAGGTTTCTCGCTGCCCATGCAGGGG  
 AAGCCCAGCTTTCTGGCACCATGGCAATGACTGTGGTACCAAAGAGAAGAACAAGAAAGTGGCCACTAT  
 CTTCTGAGCAAGAAGCCCCGGGAAAAGGAGGTGGATTCTAAGAGCCAAGTCATCGAGGGCATCAGCCGC  
 CTCATCTGTTCTGCAAAGCAGCAGCAAACCATGCTGAGAGTGTCCATTGATGGAGTTGAATGGAGTGACA  
 TCAAGTTCTTCCAGCTGGCAGCTCAGTGGCCACTCATGTCAAGCACTTCCAGTGGGACTTTCAGTGG  
 CAGCAAACCCACCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_134406
<b>Insert Size:</b>	2886 bp
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_134406.1</a> , <a href="#">NP_599233.1</a>
<b>RefSeq Size:</b>	4198 bp
<b>RefSeq ORF:</b>	2886 bp
<b>Locus ID:</b>	171444
<b>UniProt ID:</b>	<a href="#">O88588</a>
<b>Cytogenetics:</b>	1q43
<b>Gene Summary:</b>	involved in the localization of trans-Golgi network (TGN) membrane proteins [RGD, Feb 2006]