

Product datasheet for **RG231218**

PACC1 (NM_001198862) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PACC1 (NM_001198862) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PACC1
Synonyms:	ASOR; C1orf75; hPAC; hTMEM206; PAC; PAORAC; TMEM206
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG231218 representing NM_001198862 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGATCCGGCAGGAGCGCTCCACATCCTACCAGGAGGCTGTGCGTCCAGCGCTTCCTTCAAGCAAGCCCT
 GCCTCCTCACTTCTCCAGCTGTATTAGTGAAACTGCTCTCCTCCTCCGCCTCCACTTCTCGGCCCCCAAA
 CTTTGGTCATCTTTGGCAACCGTCTCTCTGTGCCCCCTCATCGTCCGCCTCATTGGCCAAAGTCAGG
 CAGTTCCAGCTGAGTGAGGAGTTGGTCCAGGTGGTTGAGAACTCAGAGCTGGCAGACGAGCAGGACAAGG
 AGACGGTCAGAGTCCAAGGTCCGGGTATCTTACCAGGCCTGGACAGCGAGTCCGCCTCCAGCAGCATCCG
 CTTGAGCAAGGCCTGCCTGAAGAACGTCTTCTCGGTCTACTCATCTTCTACCTGCTGCTCATGGCT
 GTGGCCGTCTTCTGGTCTACCGGACCATCACAGACTTTCGTGAGAACTCAAGCACCTGTCTGTCTG
 TGTCTTACAAGGAAGTGATCGCTATGATGCCCGAGGTATTGCCTTGACCCCGGTGAGGCCAGTTGCT
 CAGCTGTAAGCACCATTACGAGGTCACTCCTCTGACAAGCCCTGGCCAGCCGGGTGACATGAATTGC
 ACCACCCAGAGGATCAACTACACGGACCCCTTCTCAATCAGACTGTGAAATCTGCCCTGATTGTCCAGG
 GGCCCCGGAAGTAAAAAGCGGGAGCTGGTCTTCTCCAGTTCGCCTGAACAAGAGTAGTGAGGACTT
 CAGCGCCATTGATTACCTCCTCTTCTCTTTCCAGGAGTTCCTGCAAAGCCCAACAGGCTAGGCTTC
 ATGCAGGCCTGTGAGAGTGCCTATTCCAGCTGGAAGTTCTCTGGGGCTTCGCACCTGGGTCAAGATGT
 CACTGGTAAAGACCAAGGAGGAGGATGGGCGGGAAGCAGTGGAAGTTCGGCAGGAGACAAGTGTGGTTAA
 CTACATTGACCAGAGGCCAGCTGCCAAAAAAGTCTCAATTGTTTTTGTGGTCTTTGAATGGAAGAT
 CCTTTCATCCAGAAAGTCCAAGATATAGTCACTGCCAATCCTTGAACACAATTGCTCTTCTGTGGCG
 CTTCTTGGCATTATTTAAAGCAGCAGAGTTGCCAACTGAGTATAAATGGATGATCAAAATTAGAAA
 GAGATACCTTAAAGAAGAGGTGAGGCAACGAGCCACATAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG231218 representing NM_001198862
 Red=Cloning site Green=Tags(s)

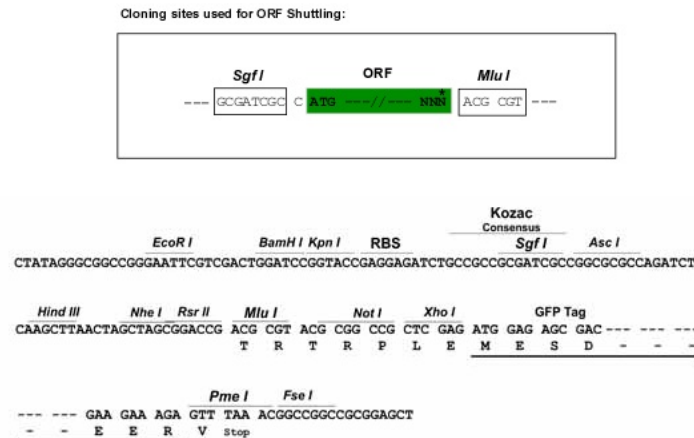
MIRQERSTSYQEAVRPALPSSKPCLLTSPAVLVKLLSSSASTSRPPNLGHLWQPSSSVPLHRAASLAKVR
 QFQLSEELVQVVENSELADEQKETVRVQGPGLPGLDSESASSIRFSKACLKNVFSVLLIFIYLLMA
 VAVFLVYRTITDFREKLKHPVMSVSYKEVDYDAPGIALYPGQAQLLSCKHHYEVIPPLTSPGQPGDMNC
 TTQRINYTDPFNSQTVKSALIVQGPREVKKREL VFLQFRLNKSSSEDFSAIDYLLFSSFQEFLQSPNRVGF
 MQACESAYSSWKFSGGFRTWVKMSLVKTKKEEDGREAVEFRQETSVVNYIDQRPAAKKSQAQLFFVVFWEKD
 PFIQKVQDIVTANPWNTIALLCGAFLALFKAAEFAKLSIKWMIKIRKRYLKRRGQATSHIS

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001198862

ORF Size: 1233 bp

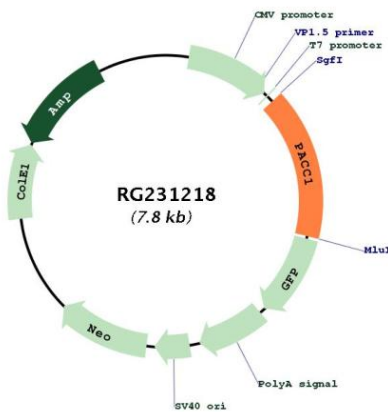
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_001198862.1, NP_001185791.1</u>
RefSeq Size:	2137 bp
RefSeq ORF:	1236 bp
Locus ID:	55248
UniProt ID:	<u>Q9H813</u>
Cytogenetics:	1q32.3
Protein Families:	Transmembrane
Gene Summary:	Proton-activated chloride channel that mediates import of chloride ion in response to extracellular acidic pH (PubMed:31023925). Involved in acidosis-induced cell death by mediating chloride influx and subsequent cell swelling (PubMed:31023925).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG231218