

Product datasheet for RC231218

PACC1 (NM_001198862) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PACC1 (NM_001198862) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PACC1
Synonyms:	ASOR; C1orf75; hPAC; hTMEM206; PAC; PAORAC; TMEM206
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC231218 representing NM_001198862 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGATCCGGCAGGAGCGCTCCACATCCTACCAGGAGGCTGTGCGTCCAGCGCTTCCTTCAAGCAAGCCCT
 GCCTCCTCACTTCTCCAGCTGTATTAGTGAACTGCTCTCCTCCTCCGCCTCCACTTCTCGGCCCCCAAA
 CCTTGGTCATCTTTGGCAACCGTCTTCTGTGCCCTCCATCGTGCCGCTCATTGGCCAAAGTCAGG
 CAGTTCAGCTGAGTGAGGAGTTGGTCCAGGTGGTTGAGAACTCAGAGCTGGCAGACGAGCAGGACAAGG
 AGACGGTCAGAGTCCAAGGTCCGGGTATCTTACCAGGCCTGGACAGCGAGTCCGCCTCCAGCAGCATCCG
 CTTGAGCAAGGCCTGCCTGAAGAACGTCTTCTCGGTCTACTCATCTTCTACCTGCTGCTCATGGCT
 GTGGCCGTCTTCTGGTCTACCGGACCATCACAGACTTTCGTGAGAACTCAAGCACCTGTCTGTCTG
 TGTCTTACAAGGAAGTGATCGCTATGATGCCCGAGTATTGCCTTGACCCCGGTGAGGCCAGTTGCT
 CAGCTGTAAGCACCATTACGAGGTATTCTCCTCTGACAAGCCCTGGCCAGCCGGTGACATGAATTGC
 ACCACCCAGAGGATCAACTACACGACCCCTTCTCAATCAGACTGTGAAATCTGCCCTGATTGTCCAGG
 GGCCCGGGAAGTAAAAAGCGGGAGCTGGTCTTCTCCAGTTCGCCTGAACAAGAGTAGTGAGGACTT
 CAGCGCCATTGATTACCTCCTCTTCTCTTTCCAGGAGTTCCTGCAAAGCCCAACAGGCTAGGCTTC
 ATGCAGGCCTGTGAGAGTGCCTATTCCAGCTGGAAGTTCTCTGGGGCTTCGCACCTGGGTCAAGATGT
 CACTGGTAAAGACCAAGGAGGAGGATGGGCGGGAAGCAGTGAGATTCCGGCAGGAGACAAGTGTTGTTAA
 CTACATTGACCAGAGGCCAGCTGCCAAAAAAGTGTCAATTGTTTTTGTGGTCTTTGAATGGAAGAT
 CCTTTCATCCAGAAAGTCCAAGATATAGTCACTGCCAATCCTTGAACACAATTGCTCTTCTGTGGCG
 CTTCTTGGCATTATTTAAAGCAGCAGAGTTGCCAACTGAGTATAAATGGATGATCAAAATTAGAAA
 GAGATACCTTAAAGAAGAGGTGAGGCAACGAGCCACATAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC231218 representing NM_001198862
 Red=Cloning site Green=Tags(s)

MIRQERSTSYQEAVRPALPSSKPCLLTSPAVLVKLLSSASTSRPPNLGHLWQPSSSVPLHRAASLAKVR
 QFQLSEELVQVENSELADEQKETVRVQGPGLPGLDSESASSIRFSKACLKNVFSVLLIFIYLLMA
 VAVFLVYRTITDFREKLKHPVMSVSYKEVDYDAPGIALYPGQAQLLSCKHHYEVIPPLTSPGQPGDMNC
 TTQRINYTDPFNSQTVKSALIVQGPREVKKREL VFLQFRLNKSSSEDFSAIDYLLFSSFQEFLQSPNRVGF
 MQACESAYSSWKFSGGFRTWVKMSLVKTKEDGREAVEFRQETSVVNYIDQRPAAKKSQQLFFVFEWKD
 PFIQKVQDIVTANPWNTIALLCGAFLALFKAAEFKLSIKWMIKIRKRYLKRRGQATSHIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8058_a07.zip

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001198862.1](#), [NP_001185791.1](#)

RefSeq ORF: 1236 bp

Locus ID: 55248

UniProt ID: [Q9H813](#)

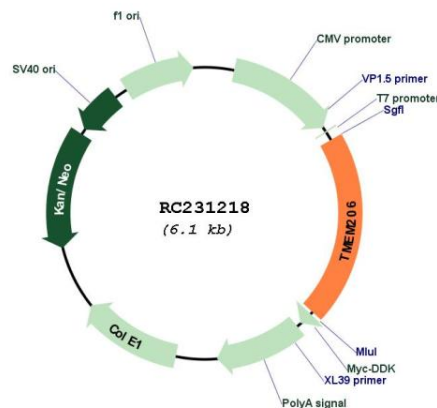
Cytogenetics: 1q32.3

Protein Families: Transmembrane

MW: 46.9 kDa

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 RC231218