

Product datasheet for RC235974

PRAC2 (NM_001282276) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PRAC2 (NM_001282276) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PRAC2
Synonyms: C17orf93; HOXB-AS5; HOXB13-AS1; HOXBAS5; NCRNA00253
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC235974 representing NM_001282276
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCCTCAGGTTTCGCGCTCTGCGTTGCGGGTCTGGAACCGAGATCAAAAAGAGCTTCGGAGGTT
 CCATACAAGTAAATCCGAAAAAAGTGTGTGTGGGGGGTCCACACCACTAATTATTATGGCGAGGAAGA
 TAAAGAAGACATGGACAGAAGGCGGATGGCTCTGCGGCTGGTCCCGCAGACCGACCGCCTTCTTCTTC
 CATTTCGAGATGGCTCGTACCGAACCTCCTTGCCTTCTTCTGGGTCTCTCGGGGGCTGGACCAATACATC
 TGCCGATGCCCTGGCCGAATGGCAGGCGACATCGGGTCTGGACCCACACGCAGCTCAGTACCCACGA
 GGCCCCAGGCCGCTGGAAGCCTGTAGCTCCGCGGACGATGAAAGCCTGCCCGCAGGTTCTCTGGAGTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235974 representing NM_001282276
 Red=Cloning site Green=Tags(s)
 MEPQVRALRCGCWNRDSKRASGGSIQVNPCKSVCGGVHTTNYYGEEKEDMDRRRMALRPGSRPTAFF
 HSRWLVPNLLAFFLGLSGAGPIHLPMPWPNGRRHRVLDPHQLSTHEAPGRWKPVPRTMKACPQVLEW
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:



ACCN: NM_001282276

ORF Size: 420 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.

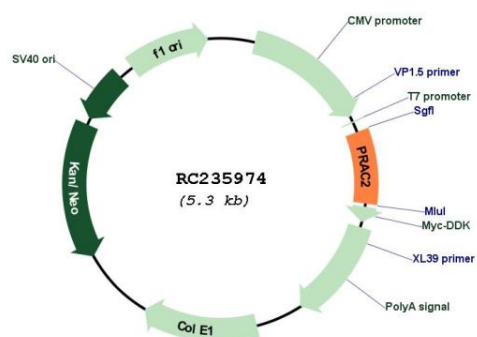
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001282276.1](#), [NP_001269205.1](#)

RefSeq Size: 518 bp

RefSeq ORF:	423 bp
Locus ID:	360205
Cytogenetics:	17q21.32
MW:	16.4 kDa
Gene Summary:	This gene is highly expressed in prostate, rectum, colon, and testis. This gene may produce a non-coding RNA or may encode a short protein that might localize to the nucleus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RC235974