

Product datasheet for RC224543

PBOV1 (NM_021635) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PBOV1 (NM_021635) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PBOV1
Synonyms: dj171N11.2; UC28; UROC28
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC224543 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGGGCCTTCTTAAGGAACCAGAAATATGAGGATATGCACAATATTATTCACATTTTACAGATCAGAA
 AATTGAGGCACAGATTAAGTAACCTCCCAAGGCTACCAGGCATTCTAGCTCCAGAACTGTGCTCTTACC
 ATTCTGCTACAAGGTATTTGAAAAAAGAAAAAGTAAAAAGAAGTCAAAGGCAACAGAGTTTATTGAT
 TATTCCATAGAACAGTCACACCATGCAATTCTCACACCCTTGACACACACTTGACCATGAAAGGTTCT
 CAATGAAATGTTCTCTATTATCTTCAGAAGCCATATTATTCACATTGACTTTGCAGTTAACTCAGACCT
 AGGTCTGGAATGCTGTCTCTCTACTTATCCAAACTATACATCCACAGATCATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224543 protein sequence
 Red=Cloning site Green=Tags(s)

MRAFLRNQKYEDMHNIIHILQIRKLRLHRLSNFRLPGILAPETVLLPFCYKVFRRKKEKVKRSQKATEFID
 YSIEQSHHAILTPLQTHLTMKGSSMKCSSLSSEAILFTLTLQLTQLGLECCLLYLSKTIHPQII

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6474_c04.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_021635

ORF Size: 405 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_021635.2](#)

RefSeq Size: 2505 bp

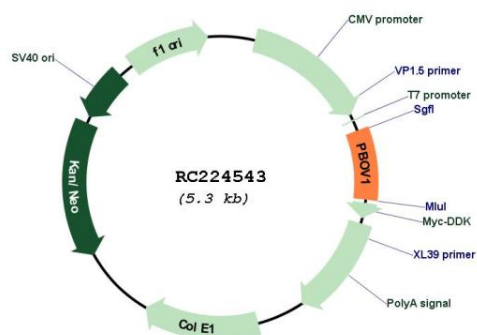
RefSeq ORF: 408 bp

Locus ID: 59351
 UniProt ID: [Q9GZY1](#)
 Cytogenetics: 6q23.3

MW: 15.7 kDa

Gene Summary: This intronless gene encodes a protein of unknown function. Its expression is up-regulated in some types of cancer, including prostate, breast, and bladder cancer. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC224543