

Product datasheet for RC219342

VPREB1 (NM_007128) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: VPREB1 (NM_007128) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: VPREB1
Synonyms: CD179a; IGI; IGVPB; VPREB
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC219342 representing NM_007128
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCCTGGGCTCCTGTCCTGCTCATGCTGTTTGTCTACTGCACAGGTTGTGGTCTCAGCCGGTGTGCTGC
ATCAGCCGCGGCCATGTCCTCGGCCCTTGAACCACAATCCGCCTCACCTGCACCCTGAGGAACGACCA
TGACATCGGTGTGTACAGCGTCTACTGGTACCAGCAGAGGCCGGCCACCCTCCCAGGTTCTGCTGAGA
TATTTCTCACAATCAGACAAGAGCCAGGCCCCAGGTCCCCCTCGCTTCTCTGGATCCAAAGATGTGG
CCAGGAACAGGGGTATTTGAGCATCTCTGAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC219342 representing NM_007128
Red=Cloning site Green=Tags(s)

MSWAPVLLMLFVYCTGCGPQPVVHQPAMSSALGTTIRLTCTLRNDHDIGVYSVYVYQRPQHPPRFLLR
YFSQSDKSQLPQVPPRFSGSKDVARNRGYSISEL

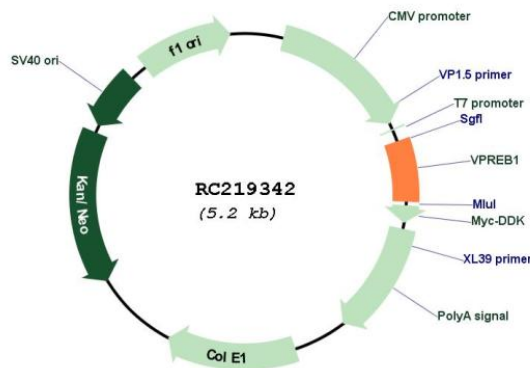
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:

Plasmid Map:


ACCN: NM_007128

ORF Size: 315 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: | <ol style="list-style-type: none">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 Size: | 641 bp |
| RefSeq ORF: | 438 bp |
| Locus ID: | 7441 |
| UniProt ID: | P12018 |
| Cytogenetics: | 22q11.22 |
| Protein Families: | Druggable Genome |
| MW: | 11.84 kDa |
| Gene Summary: | The protein encoded by this gene belongs to the immunoglobulin superfamily and is expressed selectively at the early stages of B cell development, namely, in proB and early preB cells. This gene encodes the iota polypeptide chain that is associated with the Ig-mu chain to form a molecular complex which is expressed on the surface of pre-B cells. The complex is thought to regulate Ig gene rearrangements in the early steps of B-cell differentiation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015] |