

## Product datasheet for SC122772

### VPREB1 (NM\_007128) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VPREB1 (NM_007128) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPREB1
Synonyms:	CD179a; IGI; IGVPB; VPREB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_007128 edited GAGTCAGAGCTCTGCATGTCTGCACCATGTCCTGGGCTCCTGTCCTGCTCATGCTGTTTG TCTACTGCACAGTTGTGGTCTCAGCCGGTGCATCAGCCGCCGCCATGTCCTCGG CCCTTGAACCACAATCCGCCTCACCTGCACCCTGAGGAACGACCATGACATCGGTGTGT ACAGCGTCTACTGGTACCAGCAGAGGCCGGGCCACCCTCCAGGTTCTGCTGAGATATT TCTCACAATCAGACAAGAGCCAGGGCCCCAGGTCCCCCTCGCTTCTCTGGATCCAAAG ATGTGGCCAGGAACAGGGGTTATTTGAGCATCTCTGAGCTGTAGCCTGAGGACGAGGCTA TGTATTACTGTGCTATGGGGGCCCGAGTTCGGAGAAGGAGGAGAGGGAGAGGGAGTGA AGGAAGAAATGGAACCCACTGCAGCCAGGACACGTGTCCCTTGAAGTGAAGACAGCAGGG GCACGCATCCCCTTGGAGAGACTGTCATGGAAGAGGGTGGAGCCGCCGCCGAAGCGCCG AGGAGGCTGAGCCACTCAGCATCTCCTGGTCTGCAGTGTGCTGTAATCCCCATTGGA GACTGCATTAGGGAATTAAGCTGCTTGTCACTTTTTGCAGAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_007128 unedited GAACGTCAAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCCATTACGGCCGGG GGAGTCAGAGCTCTGCATGTCTGCACCATGTCCTGGGCTCCTGTCTGCTCATGCTGTTT GTCTACTGCACAGTTGTGGTCTCAGCCGGTGTGCATCAGCCGCCGGCCATGTCCTCG GCCCTTGGAAACCAATCCGCCTCACCTGCACCCTGAGGAACGACCATGACATCGGTGTG TACAGCGTCTACTGGTACCAGCAGAGCCGGGCCACCCTCCCAGGTTCTGCTGAGATAT TTCTCACAATCAGACAAGAGCCAGGGCCCCAGGTCCCCCTCGTTCTCTGGATCCAAA GATGTGGCCAGGAACAGGGGTATTTGAGCATCTCTGAGCTGTAGCCTGAGGACGAGGCT ATGTATTACTGTCTATGGGGGCCCGCAGTTTCGGAGAAGGAGGAGGGAGAGGGAGTGG AAGGAAGAAATGGAACCCACTGCAGCCAGGACACGTGTCCCTTGAAGTGAAGACAGCAGG GGCACGCATCCCCTTGAAGAGACTGTCATGGAAGAAGGTGGAGCCGCCCGCCGAAGCGCC GAGGAGGCTGAGCCACTCAGCATCTCCTGGTCTGCAGTGTGCTGTAATCCCCATTGG AGACTGCATTAAGGAATTAAGCTGCTTGTCACTTTTTGCNGGANAAAGANAAAGTGAA AGGAATAAAAACATGGGGGCCCTCGGCCCTCGACTCTAATTTGCGGCCGGGTATAG CTGGTTTCCGGAAAAGTCCCGGGTGGGCTCCTGGGGAACCCCTCCCAAGGGCCTCTCC GCGCCTGGGAGTGGACACCCGAGTGCCACCAACCTGTCTATAAAT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_007128
<b>Insert Size:</b>	673 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_007128.2</a> , <a href="#">NP_009059.1</a>
<b>RefSeq Size:</b>	641 bp
<b>RefSeq ORF:</b>	438 bp
<b>Locus ID:</b>	7441
<b>UniProt ID:</b>	<a href="#">P12018</a>
<b>Cytogenetics:</b>	22q11.22
<b>Protein Families:</b>	Druggable Genome

**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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.