

## Product datasheet for **SC122793**

### VPREB3 (NM\_013378) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** VPREB3 (NM\_013378) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** VPREB3  
**Synonyms:** 8HS20; N27C7-2  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_013378 edited  
GCATGCTCTGTTGGTCCAGTGGCCTTCCCAGCCCTGTGCCCAAAGCACCTGGAGCAT  
ATAGCCTTGCAGAACTTCTACTTGCCTCCCTGCCTCTGGCCATGGCCTGCCGGTGC  
CTCAGCTTCCTTCTGATGGGGACCTTCCTGTCAGTTTCCCAGACAGTCCCTGGCCCAGCTG  
GATGCACTGCTGGTCTTCCCAGGCCAAGTGGCTCAACTCTCCTGCACGCTCAGCCCCAG  
CACGTCACCATCAGGGACTACGGTGTGTCTGGTACCAGCAGCGGGCAGGCAGTGCCCT  
CGATATCTCCTCTACTACCGCTCGGAGGAGGATCACCACCGGCCTGCTGACATCCCCGAT  
CGATTCTCGGCAGCCAAGGATGAGGCCACAATGCCTGTGTCTCACCATTAGTCCCGTG  
CAGCCTGAAGACGACGGGATTACTACTGCTCTGTTGGCTACGGCTTTAGTCCCTAGGGG  
TGGGGTGTGAGATGGGTGCCTCCCCTCTGCCTCCCATTCTGCCCTGACCTTGGGTCCC  
TTTTAACTTTCTGAGCCTTGCTTCCCCTCTGTAATAATGGGTTAATAATATTCAACAT  
GTCAACAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_013378 unedited NNNNGAAGCGTACAGAATTGTATACGACTCACTATAGGCGGCCGGAATCGGCCATTACG GCCGGGGGCATGCTCTGTGTGGTCCAGTGGCCTTCCCAGCCCTGTGCCCAAACACCTG GAGCATATAGCCTTGAGAACTTCTACTGCCTGCCTCCCTGCCTCTGGCCATGGCCTGC CGGTGCCTCAGCTTCTTCTGATGGGGACCTTCTGTGAGTTTCCCAGACAGTCTGGCC CAGCTGGATGCACTGCTGGTCTTCCCAGGCCAAGTGGCTCAACTCTCTGCACGCTCAGC CCCCAGCAGTCAACATCAGGGACTACGGTGTGCTCCTGGTACCAGCAGCGGGCAGGCAGT GCCCTCGATATCTCTACTACTACCGCTCGGAGGAGGATCACCACCGGCCTGCTGACATC CCCGATCGATTCTCGGCAGCCAAGGATGAGGCCACAATGCCTGTGCTCCTCACCATTAGT CCCGTGCAGCCTGAAGACGACGCGGATTACTACTGCTCTGTTGGCTACGGCTTTAGTCCC TAGGGGTGGGTGTGAGAATGGGTGCCTCCCCTCTGCCTCCCATTCTGCCCTGACCTT GGGTCCCTTTTAACTTTCTCTGAGCCTTGCTTCCCCTCTGAAAATGGGTTAATAATAT TCAACATGTCAACAACNNNNNANAANAANNNAANNAANNAANNAANNAANNAANNAANNA GCCCTCGACTCTAGATTGCGGCCGGTACATAGCTGTTTCTGACAGATCCGGGTGGCA TCCTGTGACCCCTCCCAATGCCTCTCTGACCCTGGAAGTTGCACTCCAGTGCCACCA GCCTGTCAAAAAAATAAGTTGCATATTTGGCTGACAAGGTGCTCTCT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_013378
<b>Insert Size:</b>	637 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_013378.1</a> , <a href="#">NP_037510.1</a>
<b>RefSeq Size:</b>	548 bp
<b>RefSeq ORF:</b>	372 bp
<b>Locus ID:</b>	29802
<b>UniProt ID:</b>	<a href="#">Q9UKI3</a>
<b>Cytogenetics:</b>	22q11
<b>Protein Families:</b>	Druggable Genome

**Gene Summary:**

The protein encoded by this gene is the human ortholog of the mouse VpreB3 (8HS20) protein, is thought to be involved in B-cell maturation, and may play a role in assembly of the pre-B cell receptor (pre-BCR). While the role of this protein in B-cell development has not yet been elucidated, studies with the chicken ortholog of this protein have found that when overexpressed, this protein localizes to the endoplasmic reticulum. The mouse ortholog of this protein has been shown to associate with membrane mu heavy chains early in the course of pre-B cell receptor biosynthesis. Expression of this gene has been observed in some lymphomas. [provided by RefSeq, Apr 2015]