

## Product datasheet for **SC319881**

### **PREB (NM\_013388) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PREB (NM_013388) Human Untagged Clone
Tag:	Tag Free
Symbol:	PREB
Synonyms:	SEC12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_013388.4  
 CCGAGGGAGCCGCGAGACAGGTGCGCATGCGCAGTGCGCGTCTGCGAGACCGACTTGGAC  
 GGAGCCGAGCTGAGGCTCGGCTTCTGTGATGGTCAGGGTTTTGGCAACTCCCCGGTGT  
 GAGAGGGGTAGGGAGTGTCCCCGGCGGCAGCGGGCCGAGTTCACCAGCCGCCGGGGCAG  
 TAGTCGAAGGCCCGCGCGGCATGTCTGGGTGCCCGGTGCGGGCAGTGAACCGCGGCC  
 GGGCGGGATGGCCCGGCCCGGGCCAGAGCTGTACCGGGCTCCGTTCCCGTTGTACGC  
 GCTTCAGGTCGACCCACGCACTGGGCTGCTCATCGCTGCGGGCGGAGGAGCGCCGCCAA  
 GACAGGCATAAAGAATGGCGTGCACTTTCTGCAGCTAGAGCTGATTAATGGGCGCTTGAG  
 TGCTCTTGTGCACTCCCATGACACAGAGACACGGGCCACCATGAACTTGGCACTGGC  
 TGGTGACATCCTTGTGCAAGGCAGGATGCCCACTGTGAGCTCTGCGCTTCCAGGCACA  
 TCAACAGCAGGGCAACAAGGCAGAGAAGGCCGGTTCCAAGGAGCAGGGGCCTCGACAAAG  
 GAAGGGAGCAGCCCAGCAGAGAAGAAATGTGGAGCGAAACCCAGCACGAGGGGCTAGA  
 ACTCAGGGTAGAGAAATTCAGGCGGTGCAGACAGACTTAGCTCCGATCCACTGCAGAA  
 AGTTGTGTGCTTCAACCACGATAATACCCTGCTTGCCACTGGAGGAACAGATGGTACGT  
 CCGTGTCTGGAAGGTGCCAGCCTGGAGAAGGTTCTGGAGTTCAAAGCCCACGAAGGGGA  
 GATTGAAGACCTGGCTTTAGGGCCTGATGGCAAGTTGGTAACCGTGGGCCGGGACCTTAA  
 GGCTCTGTGTGGCAGAAGGATCAGCTGGTGACACAGCTGCACTGGCAAGAAAATGGACC  
 CACCTTTTCCAGCACACCTTACCCTACCAGGCCTGCAGGTTTGGGCAGGTTCCAGACCA  
 GCCTGCTGGCCTGCGACTCTTACAGTGCAAAATCCCCACAAGCGCCTGCGCCAGCCCC  
 TCCCTGTACCTCACAGCCTGGGATGGCTCCAACTTCTTGCCCTTCCGACCAAGTCTGT  
 TGGCCATGAAGTCGTCTCTGCCTCGATGTCAGTGAATCCGGCACCTTCTAGGCCTGGG  
 CACAGTCACTGGCTCTGTTGCCATCTACATAGCTTCTCTCTCCAGTGCCTCTACTACGT  
 GAGGGAGGCCCATGGCATTGTGGTGACGGATGTGGCCTTCTACCTGAGAAGGGTCGTGG  
 TCCAGAGCTCCTTGGGTCCCATGAAACTGCCCTGTTCTCTGTGGCTGTGGACAGTCGTTG  
 CCAGCTGCATCTGTTGCCCTCACGGCGGAGTGTCTGTGTGGCTCCTGCTCCTGCTGTG  
 TGTCCGGCTTATTATTGTGACCATCCTGCTGCTCCAGAGTGCCTTCCAGGTTTCCCTT  
 GCTTCCCTGCTTCTGGGAATCAGGAGCCTGGACTGCCATCTAGAGCAGAGTGGAG  
 GCCTGGACTCCCTTGTCACTCCATTCCGGTCCACAGCTGAGGTTGCCTCTGACAAGAT  
 GAATGGGCACTGCCTGCCCTTCTAGTAAAAGGCTTGGCTATGGCCCTGTGTGACTCCAG  
 GTCCCAGGAACCTTGCCTTCGTATCTGTGGATCCATCCAGAACAGCGGTATCTGAAGCC  
 CAGGCCATACTCCCTGCCTCCTTCTTCTGCTACCAGAGGCTCCAGAGTTGAGCTTGTG  
 CTATCTAGAAACATGTGAAGATGCCCAAGAGCCTGGAGGCACTGCTGTCTTCCCTGCAG  
 AAACAGTTTCTCCTCCTCCCTCAGCCTTGTGGCCAGTTCCTCTTACATGAAGCCCTG  
 GCATTTGCTGGGGAAGGGACTGGCCTGGTACTTGTGTTAGGGCAGGAAGGGGCAAAAAGG  
 AAGACTTGGGTAGTAATCTGGGGTTCAGATGGGTAGCACTAAGCCAGCTGGCCTAAAGA  
 TGCAATAAGTTCCCTAGGTAGTCTACCCTTACCTTGAGGAATGGGAAAATGAACCTCAGCC  
 CATTAGGCAGGAAAAGTTGATATTTAATAAACAAGGAAAGAGTGAIAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_013388

**OTI Disclaimer:** 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<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>	<u><a href="#">NM_013388.4</a></u> , <u><a href="#">NP_037520.1</a></u>
<b>RefSeq Size:</b>	2211 bp
<b>RefSeq ORF:</b>	1254 bp
<b>Locus ID:</b>	10113
<b>UniProt ID:</b>	<u><a href="#">Q9HCU5</a></u>
<b>Cytogenetics:</b>	2p23.3
<b>Domains:</b>	WD40
<b>Protein Families:</b>	Transcription Factors, Transmembrane
<b>Gene Summary:</b>	This gene encodes a protein that specifically binds to a Pit1-binding element of the prolactin (PRL) promoter. This protein may act as a transcriptional regulator and is thought to be involved in some of the developmental abnormalities observed in patients with partial trisomy 2p. This gene overlaps the abhydrolase domain containing 1 (ABHD1) gene on the opposite strand. [provided by RefSeq, Jul 2008]