

## Product datasheet for **SC303445**

### RBP2 (NM\_004164) Human Untagged Clone

#### Product data:

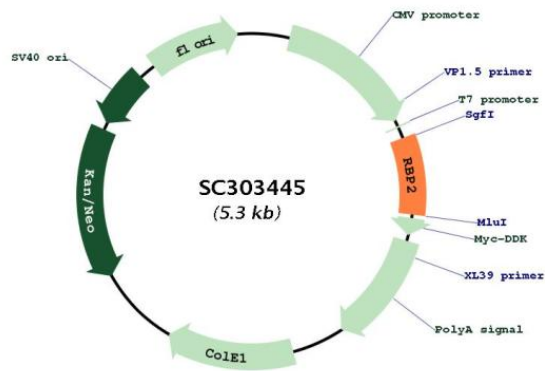
Product Type:	Expression Plasmids
Product Name:	RBP2 (NM_004164) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBP2
Synonyms:	CRABP-II; CRBP2; CRBP2I; RBPC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303445 representing NM_004164. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACAAGGGACCAGAATGGAACCTGGGAGATGGAGAGTAATGAAAACCTTGAGGGCTACATGAAGGCC
CTGGATATTGATTTTCCACCCGCAAGATTGCAGTACGTCTCACTCAGACGAAGTTATTGATCAAGAT
GGTGATAACTTCAAGACAAAACCACTAGCACATTCGCAACTATGATGTGGATTCCTGTTGGAGTA
GAGTTTGACGAGTACACAAAGAGCCTGGATAACCGGCATGTTAAGGCACTGGTCACCTGGGAAGGTGAT
GTCCTTGTGTGTGCAAAAGGGGGAGAAGGAGAACCAGGCTGGAAGCAGTGGATTGAGGGGGACAAG
CTGTACCTGGAGCTGACCTGTGGTGACCAGGTGTGCCGTCAAGTGTTCAAAAGAAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


<b>ACCN:</b>	NM_004164
<b>Insert Size:</b>	405 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>OTI Annotation:</b>	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).

**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.

**RefSeq:** [NM\\_004164.2](#)

**RefSeq Size:** 700 bp

**RefSeq ORF:** 405 bp

**Locus ID:** 5948

**UniProt ID:** [P50120](#)

**Cytogenetics:** 3q23

**MW:** 15.7 kDa

**Gene Summary:** This gene encodes an abundant protein present in the small intestinal epithelium. It is thought to participate in the uptake and/or intracellular metabolism of vitamin A. Vitamin A is a fat-soluble vitamin necessary for growth, reproduction, differentiation of epithelial tissues, and vision. This protein may also modulate the supply of retinoic acid to the nuclei of endometrial cells during the menstrual cycle. [provided by RefSeq, Aug 2015]