

## Product datasheet for **SC303248**

### **RBP1 (NM\_002899) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RBP1 (NM_002899) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBP1
Synonyms:	CRABP-I; CRBP; CRBP1; CRBPI; RBPC
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002899 edited TCCCGAAATGCCAGTCGACTTCACTGGTACTGGAAGATGTTGGTCAACGAGAATTTCTGA GGAGTACCTGCGCGCCCTCGACGTCAATGTGGCCTTGCACAAAATCGCCAACTTGCTGAA GCCAGACAAAGAGATCGTGCAGGACGGTGACCATATGATCATCCGCACGCTGAGCACTTT TAGGAACTACATCATGGACTTCCAGGTTGGGAAGGAGTTTGAGGAGGATCTGACAGGCAT AGATGACCGCAAGTGCATGACAACAGTGAGCTGGGACGGAGACAAGCTCCAGTGTGTGCA GAAGGGTGAGAAGGAGGGCGTGGCTGGACCCAGTGGATCGAGGGTGATGAGCTGCACCT GGAGATGAGAGTGAAGGTGTGGTCTGCAAGCAAGTATTCAAGAAGGTGCAGTGAGGCC AGGCAGACAACCTTGTCCCAAGGAATCAGCAGGATGTGTGGGCCAGGATCCCCCTCTTTG CACAGCATGAGGCAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_002899 unedited ACGTTCTAGAATTTTGTATACGACTCTACTATAGGGCGGCCGCGATTCAAATCTGGTACC GAGCTCGGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGCCCTTCCCGAAATGCC AGTCGACTTCACTGGGTACTGGAAGATGTTGGTCAACGAGAATTCGAGGAGTACCTGCG CGCCCTCGACGTCAATGTGGCCTTGCGCAAAATCGCCAACTTGCTGAAGCCAGACAAAGA GATCGTGCAGGACGGTGACCATATGATCATCCGCACGCTGAGCACTTTTAGGAACTACAT CATGGACTTCCAGTTGGGAAGGAGTTTGAGGAGGATCTGACAGGCATAGATGACCGCAA GTGCATGACAACAGTGAGCTGGGACGGAGACAAGCTCCAGTGTGTGCAGAAGGGTGAGAA GGAGGGCGTGGCTGGACCCAGTGGATCGAGGGTGATGAGCTGCACCTGGAGATGAGAGT GGAAGGTGTGGTCTGCAAGCAAGTATTCAAGAAGGTGCAGTGAGGCCAGGCAGACAACC TTGTCCCAAGGAATCAGCAGGATGTGTGGGCCAGGATCCCCCTCTTTCACAGCATGAGG CAAAAATGTCCAAGGGCGAATTCTGCAGATATCCATCACACTGGCGGCCGCTCGAGCATG CATCTAGATTGCGCCCGGTCATAGCTGTTTCTGAACAGATCCCGGTTGGCATCCCTG TGACCCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGGCCACCAGCCT TGTCCTANTAAAATTAAGTGCATCATTTTGTCTGACTAGGTGTCCTTCTATATATTATGG GGTGGAGGGGGTGGGTAATGGACCAAGGGGCAAAGTTGGGAAGACACCTTGTAGCCTGGC GGGTCTATTGGC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_002899
<b>Insert Size:</b>	500 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>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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_002899.2</a> , <a href="#">NP_002890.1</a>
<b>RefSeq Size:</b>	916 bp
<b>RefSeq ORF:</b>	408 bp
<b>Locus ID:</b>	5947
<b>UniProt ID:</b>	<a href="#">P09455</a>
<b>Cytogenetics:</b>	3q23

**Gene Summary:**

This gene encodes the carrier protein involved in the transport of retinol (vitamin A alcohol) from the liver storage site to peripheral tissue. Vitamin A is a fat-soluble vitamin necessary for growth, reproduction, differentiation of epithelial tissues, and vision. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]

Transcript Variant: This variant (1) encodes the longest isoform (a).