

Product datasheet for **SC327754**

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: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002899 edited
CTAAGCGGGGAGGAGCGACCGCTACAATGGATCCTCCCGCAGGCTTTGTGCGCGCTGGGA
ATCCAGCTGTCGCCGCCCGCAGAGCCCCCTGTCCCGGAGGGCGCTCATTTCGGGCCG
CCCACCACCCGCGTAGCACCGGCAGCCGCTGTCCCGGCAGTCTCCAGCCGTCCCGTCCGC
TTGTGGCCAACCTGGCTCCAGTCACTCCCGAAATGCCAGTCGACTTCACTGGGTACTGGA
AGATGTTGGTCAACGAGAATTTGAGGAGTACCTGCGCGCCCTCGACGTCAATGTGGCCT
TGCGCAAATCGCCAACCTTGCTGAAGCCAGACAAAGAGATCGTGCAGGACGGTGACCATA
TGATCATCCGCACGCTGAGCACTTTTAGGAACTACATCATGGACTTCCAGGTTGGGAAGG
AGTTTGAGGAGGATCTGACAGGCATAGATGACCGCAAGTGCATGACAACAGTGAGCTGGG
ACGGAGACAAGCTCCAGTGTGTGAGAAGGGTGAAGAAGGGGGCGTGGCTGGACCCAGT
GGATCGAGGGTGTGAGCTGCACCTGGAGATGAGAGTGAAGGTGTGGTCTGCAAGCAAG
TATTCAAGAAGGTGACGTGAGGCCAGGCAGACAACCTTGTCCCAAGGAATCAGCAGGAT
GTGTGGGCCAGGATCCCCCTCTTGCACAGCATGAGGCAAAAA

Restriction Sites: Please inquire

ACCN: NM_002899

Insert Size: 916 bp

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.



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Components:	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:	<ol style="list-style-type: none">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:	<u>NM_002899.3</u> , <u>NP_002890.2</u>
RefSeq Size:	916 bp
RefSeq ORF:	594 bp
Locus ID:	5947
UniProt ID:	<u>P09455</u>
Cytogenetics:	3q23
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a).</p>