

Product datasheet for **SC325525**

RBP1 (NM_001130993) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBP1 (NM_001130993) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBP1
Synonyms:	CRABP-I; CRBP; CRBP1; CRBPI; RBPC
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001130993, the custom clone sequence may differ by one or more nucleotides ATGGATCCTCCCGCAGGCTTTGTGCGCGCTGGGAATCCAGCTGTCGCCGCCCGCAGAGC CCCCTGTCCCGGAGGGCGCTCATTTCGGGCCGCCACCACCCGCGTAGCACCGGCAGC CGCTGTCCCGGCAGTCTCCAGCCGTCCCGCCCGCTTGTGGCCAACTGGCTCCAGTCACTC CCCGAAATGCCAGTCGACTTCACTGGGTACTGGAAGATGTTGGTCAACGAGAATTCGAG GAGTACCTGCGCGCCCTCGACGTCAATGTGGCCTTGCGAAAATCGCCAACCTTGCTGAAG CCAGACAAAGAGATCGTGCAGGACGGTGACCATATGATCATCCGCACGCTGAGCACTTTT AGGAACTACATCATGGACTTCCAGGTTGGGAAGGAGTTTGAGGAGGATCTGACAGGCATA GATGACCGCAAGTGCATGAGTAAAAGTGGCTTTTCCTCT
Restriction Sites:	Please inquire
ACCN:	NM_001130993
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.
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).



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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_001130993.1](#), [NP_001124465.1](#)

RefSeq Size: 667 bp

RefSeq ORF: 462 bp

Locus ID: 5947

UniProt ID: [P09455](#)

Cytogenetics: 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 (3) includes an alternate exon, compared to variant 1, that causes a frameshift. The resulting protein (isoform c) has a distinct C-terminus, compared to isoform a.