

Product datasheet for **SC119002**

CRABP2 (NM_001878) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRABP2 (NM_001878) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRABP2
Synonyms:	CRABP-II; RBP6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001878, the custom clone sequence may differ by one or more nucleotides

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ATGCCCACTTCTCTGGCAACTGGAAAATCATCCGATCGGAAAACCTCGAGGAATTGCTCAAAGTGCTGG
GGTGAATGTGATGCTGAGGAAGATTGCTGTGGCTGCAGCGTCCAAGCCAGCAGTGGAGATCAAACAGGA
GGGAGACACTTTCTACATCAAAACCTCCACCACCGTGCACACAGAGATTAACCTCAAGGTTGGGGAG
GAGTTTGAGGAGCAGACTGTGGATGGGAGGCCCTGTAAGAGCCTGGTAAATGGGAGAGTGAGAATAAAA
TGGTCTGTGAGCAGAAGCTCCTGAAGGGAGAGGGCCCCAAGACCTCGTGGACCAGAGAACTGACCAACGA
TGGGAACTGATCCTGACCATGACGGCGGATGACGTTGTGTGCACCAGGGTCTACGTCCGAGAGTGA
```



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001878 unedited
 ACGGTTACCATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCTGGACT
 TGTCTTGGTTCCAGAACCTGACGACCCGGCGACGGCGACGTCTCTTTTACTAAAAGACA
 GTGTCCAGTGCTCCAGCCTAGGAGTCTACGGGGACCGCTCCCGCGCCGCCACCATGCCC
 AACTTCTCTGGCAACTGGAAAATCATCCGATCGGAAAACCTCGAGGAATTGCTCAAAGTG
 CTGGGGGTGAATGTGATGCTGAGGAAGATTGCTGTGGCTGCAGCGTCCAAGCCAGCAGTG
 GAGATCAAACAGGAGGGAGACACTTTCTACATCAAACCTCCACCACCGTGCGCACCCACA
 GAGATTAACCTCAAGTTGGGGAGGAGTTTGAGGAGCAGACTGTGGATGGGAGGCCCTGT
 AAGAGCCTGGTGAATGGGAGAGTGAGAATAAAATGGTCTGTGAGCAGAAGCTCCTGAAG
 GGAGAGGGCCCCAAGACCTCGTGGACCAGAGAAGTACCAACGATGGGGAAGTATCCTG
 ACCATGACGGCGGATGACGTTGTGTGCACCAGGGTCTACGTCCGAGAGTGAGTGGCCACA
 GGTAGAACCGGGCCGAAGCCCACCACTGGCCATGCTCACCGCCCTGCTTACTGCCCCC
 TCCGTCACCCCTCTTCTNAGATAGCGCTCCCTTACCCAGTCACTTCTGGGGGTC
 ACTGGGATGCCTCTTGCAGGGTCTTGTCTTTGACCTTCTCTCCCTCCCTACACCA
 ACAAGAGGAATGGCTGCAAGAGCCCCAGATCACCCATTCCGGGTCCCTTCCCCGCCTT
 CCCAAGTCAGCAATCCTAGCCCCAACCAACCCAAAGCAGGTCTCTTAAAGGGAAGTTG
 AGGCCTGAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001878 unedited
 CGGCCGAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAGCATTTTAA
 AAAATTAACAAATAAATATTCTAACTGTATAGGCTACAGGGACAAAGGGTAGAAGCTAG
 AGGGCCAGTCTTTCCTGCTCAGGCCCTCAAGTCCCTTTAGAGAGACCCTGCTCTGGGCT
 GGTGGGGCTAGGACTGCTGACTTGGGGAGGCGGGAGTGAACCCGGAATGGGTGATCT
 GGGCTCTTGCAGCCATTCTCTTTGTTGGTGTAGGGGAGGAGAGAAGAGTCAAAGAAAAG
 CAAGACCTGCAAGAGGCATCCCAGTGACCCCCACAAGTACTGGGGTAAGGGGAGCGCT
 ATCCTACAAGGAGGGGTGGGACGGAGGGGACAGTGAAGCAGGGCGGTGAGCATGGCCAG
 TGGTGGGCTTCGGCCCGGTTCTACCTGTGGCCACTCACTCTCGGACGTAGACCTGGTG
 CACACAACGTCATCCGCCGTCATGGTCAGGATCAGTTCCCCATCGTTGGTCAGTTCTCTG
 GTCCACGAGGTCTTGGGGCCCTCTCCCTTACAGGACTTCTGCTCACAGACCATTCTATT
 CTCACTCTCCATTTACCAGGCTTTACAGGGCTCCCATCCACAGTCTGCTCCTCAA
 CTCCTCTCCAACCTTTGAAGTAATCTCTGTGGTGGCCCCGGCGGTGGGACGTTTATGATGCA
 CAAATGGCTCCCTCTGTGTGATCTCACTGGTGCCTGGGCGCTGCACCCCAAGCATTTTC
 CTTACCTCCATTTACCCCAACCTTCGACCATTACTCGAACGTTTCCATCGGAGATTATC
 CAGTTGCCAATATTTGCCTCTGCCGGGCCGTAAGCCGCCCCACACCCAGTTGAG
 CCCGGCACCGTTTTCACTAAAAAACCATCCCCACCGATAACGCTCCGTAACCCCAATN

Restriction Sites:

NotI-NotI

ACCN:

NM_001878

Insert Size:

1030 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).

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:

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_001878.2](#), [NP_001869.1](#)

RefSeq Size: 969 bp

RefSeq ORF: 417 bp

Locus ID: 1382

UniProt ID: [P29373](#)

Cytogenetics: 1q23.1

Domains: lipocalin

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene encodes a member of the retinoic acid (RA, a form of vitamin A) binding protein family and lipocalin/cytosolic fatty-acid binding protein family. The protein is a cytosol-to-nuclear shuttling protein, which facilitates RA binding to its cognate receptor complex and transfer to the nucleus. It is involved in the retinoid signaling pathway, and is associated with increased circulating low-density lipoprotein cholesterol. Alternatively spliced transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Dec 2010]

Transcript Variant: This variant (1) and variant 2 encode the same protein.