

Product datasheet for **SC303475**

CRABP1 (NM_004378) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CRABP1 (NM_004378) Human Untagged Clone
Tag: Tag Free
Symbol: CRABP1
Synonyms: CRABP; CRABP-I; CRABPI; RBP5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC303475 representing NM_004378.
Blue=Insert sequence **Red**=Cloning site **Green**=Tag(s)

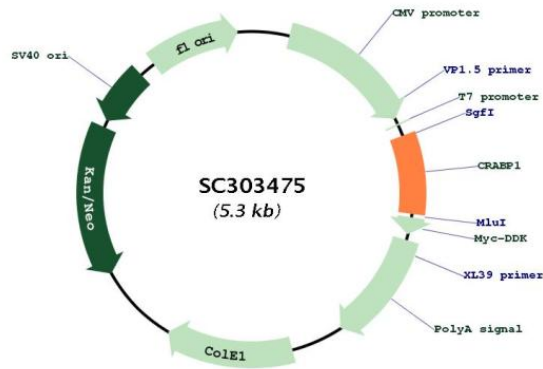
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAACTTCGCCGACCTGGAAGATGCGCAGCAGCGAGAATTTTCGACGAGCTGCTCAAGGCACTG
GGTGTGAACGCCATGCTGAGGAAAGTGGCCGTAGCGGCTGCGTCCAAGCCGACGTGGAGATCCGCCAG
GACGGGGATCAGTTCTACATCAAGACATCCACCACGGTGCACCACTGAGATCAACTTCAAGTTCGGA
GAAGGCTTTGAGGAGGAGACCGTGGACGGACGCAAGTGCAGGAGTTTAGCCACTGGGAGAATGAGAAC
AAGATCCACTGCACGAAACTCTTCTTGAAGGGGACGGCCCAAACCTACTGGACCCGTGAGCTGGCC
AACGATGAACTTATCCTGACGTTTGGCGCCGATGACGTGGTCTGCACCAGAATTTATGTCGGAGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



[View online »](#)

Plasmid Map:


ACCN:	NM_004378
Insert Size:	414 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.
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_004378.2](#)

RefSeq Size: 782 bp

RefSeq ORF: 414 bp

Locus ID: 1381

UniProt ID: [P29762](#)

Cytogenetics: 15q25.1

MW: 15.6 kDa

Gene Summary: This gene encodes a specific binding protein for a vitamin A family member and is thought to play an important role in retinoic acid-mediated differentiation and proliferation processes. It is structurally similar to the cellular retinol-binding proteins, but binds only retinoic acid at specific sites within the nucleus, which may contribute to vitamin A-directed differentiation in epithelial tissue. [provided by RefSeq, Jul 2008]