

Product datasheet for **RG200221**

CRABP2 (NM_001878) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CRABP2 (NM_001878) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CRABP2
Synonyms: CRABP-II; RBP6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200221 representing NM_001878
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCAACTTCTCTGGCAACTGGAAAATCATCCGATCGGAAAACCTTCGAGGAATTGCTCAAAGTGCTGG
GGGTGAATGTGATGCTGAGGAAGATTGCTGTGGCTGCAGCGTCCAAGCCAGCAGTGGAGATCAAACAGGA
GGGAGACACTTTCTACATCAAACCTCCACCACCGTGCACACAGAGATTAACCTCAAGGTTGGGGAG
GAGTTTGAGGAGCAGACTGTGGATGGGAGGCCCTGTAAGAGCCTGGTAAATGGGAGAGTGAGAATAAAA
TGGTCTGTGAGCAGAAGCTCCTGAAGGGAGAGGGCCCCAAGACCTCGTGGACCAGAGAATGACCAACGA
TGGGAACTGATCCTGACCATGACGGCGGATGACGTTGTGTGCACCAGGGTCTACGTCGAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200221 representing NM_001878
Red=Cloning site Green=Tags(s)
MPNFSGNWKIIRSENFELLKVLGVNMLRKIAVAAASKPAVEIKQEGDTFYIKTSTTVRTEINFKVGE
EFEEQTVDGRPCKSLVKWESENKMVCEQKLLKGEKPKTSWTREL TNDGELIL TMTADDVVCTRVYVRE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_001878

ORF Size: 414 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

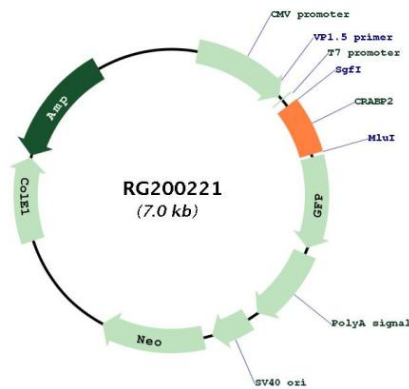
RefSeq: [NM_001878.4](#)

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]

Product images:



Circular map for RG200221