

Product datasheet for **RG231783**

CRABP2 (NM_001199723) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CRABP2 (NM_001199723) 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: >RG231783 representing NM_001199723
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCAACTTCTCTGGCAACTGGAAAATCATCCGATCGGAAAACCTTCGAGGAATTGCTCAAAGTGCTGG
 GGGTGAATGTGATGCTGAGGAAGATTGCTGTGGCTGCAGCGTCCAAGCCAGCAGTGGAGATCAAACAGGA
 GGGAGACACTTTCTACATCAAACCTCCACCACCGTGCACACAGAGATTAACCTCAAGGTTGGGGAG
 GAGTTTGAGGAGCAGACTGTGGATGGGAGGCCCTGTAAGAGCCTGGTAAATGGGAGAGTGAGAATAAAA
 TGGTCTGTGAGCAGAAGCTCCTGAAGGGAGAGGGCCCCAAGACCTCGTGGACCAGAGAATGACCAACGA
 TGGGAACTGATCCTGACCATGACGGCGGATGACGTTGTGTGCACCAGGGTCTACGTCGGAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231783 representing NM_001199723
 Red=Cloning site Green=Tags(s)
 MPNFSGNWKIIRSENFELLKVLGVNVMRLKIAVAASKPAVEIKQEGDTFYIKTSTTVRTEINFKVGE
 EFEEQTVDGRPCKSLVKWESENKMVCEQKLLKGEKPKTSWTREL TNDGELIL TMTADDVVCTRVYVRE

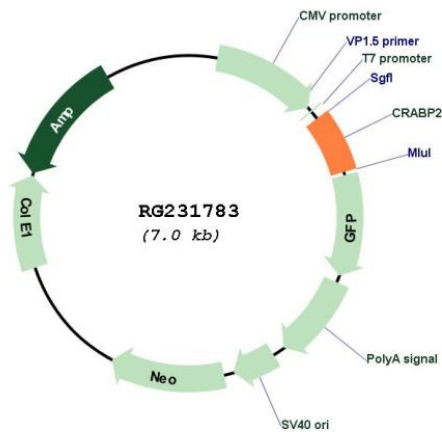
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001199723

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:	<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_001199723.1</u> , <u>NP_001186652.1</u>
RefSeq Size:	1075 bp
RefSeq ORF:	417 bp
Locus ID:	1382
UniProt ID:	<u>P29373</u>
Cytogenetics:	1q23.1
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]