

Product datasheet for **RG215880**

ANP32C (NM_012403) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANP32C (NM_012403) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANP32C
Synonyms:	PP32R1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215880 representing NM_012403 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGATGGGCAGACGGATTTCATTAGAGCTGCGGAACAGGGCGCCCTCTGATGTGAAAGAACTTGCCC
TGGACAACAGTCGGTCGAATGAAGGCAAACTCGAAGCCCTCACAGATGAATTTGAAGAACTGGAATTCCT
AAGTAAATCAACGGAGGCCTCACCTCAATCTCAGACTTACCAAAGTTAAAGTTGAGAAAGCTTGAACCTA
AGAGTCTCAGGGGCTGGAAGTATTGGCAGAAAAGTGTCCAAACCTCACGCATCTATATTTAAGTGCCA
ACAAAATTAAGACCTCAGCACAATAGAGCCACTGAAACAGTTAGAAAACCTCAAGAGCTTAGACCTTTT
CAATTGCGAGGTAACCAACCTGAACGACTACGGAGAAAACGTGTTCAAGCTTCTCCTGCAACTCACATAT
CTCGACAGCTGTTACTGGGACCAAGGAGGCCCTTACTCAGATATTGAGGACCACGTGGAGGGCCTGG
ATGACGAGGAGGAGGAGGTGAGCATGAGGAGGAGTATGATGAAGATGCTCAGGTAGTGGAAGATGAGGAGGG
CGAGGAGGAGGAGGAGGAAGGTGAAGAGGAGGACGTGAGTGGAGGGGACGAGGAGGATGAAGAAGGTTAT
AACGATGGAGAGGTAGATGGCGAGGAAGATGAAGAAGAGCTTGGTGAAGAAGAAAGGGGTGAGAAGCGAA
AA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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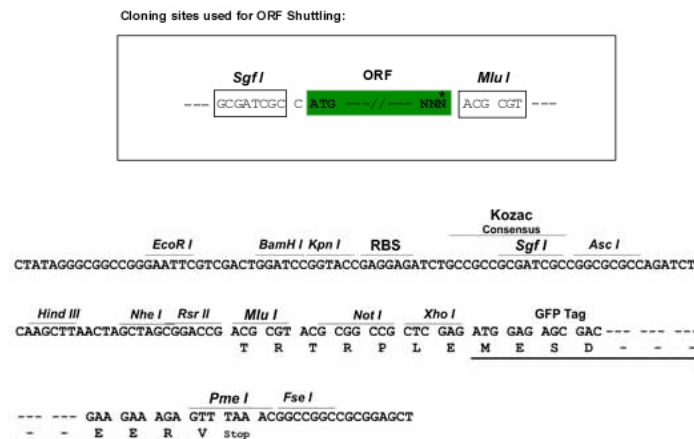
Protein Sequence: >RG215880 representing NM_012403
 Red=Cloning site Green=Tags(s)

MEMGRRIHSELNRAPSDVKELALDNSRSNEGKLEALTDFEELEFLSKINGGLTSISDLPKLKRKLEL
 RVSGGLEVLAEKCPNLTHLYLSGNKIKDLSTIEPLKQLENLKSLLDFNCEVTNLNDYGENVFKLLQLTY
 LDSCYWDHKEAPYSDIEDHVEGLDDEEEGEHEEYDEDAQVVEDEEGEEEEEGEEEDVSGGDEEDEEGY
 NDGEVDGEEDEELGEEERGQKRK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012403

ORF Size: 702 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_012403.1](#), [NP_036535.1](#)

RefSeq Size: 705 bp

RefSeq ORF: 705 bp

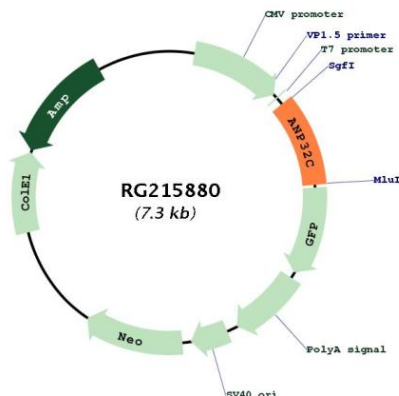
Locus ID: 23520

UniProt ID: [O43423](#)

Cytogenetics: 4q32.3

Gene Summary: Phosphoprotein 32 (PP32) is a tumor suppressor that can inhibit several types of cancers, including prostate and breast cancers. The protein encoded by this gene is one of at least two proteins that are similar in amino acid sequence to PP32 and are part of the same acidic nuclear phosphoprotein gene family. However, unlike PP32, the encoded protein is tumorigenic. The tumor suppressor function of PP32 has been localized to a 25 amino acid region that is divergent between PP32 and the protein encoded by this gene. This gene does not contain introns. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG215880