

Product datasheet for **SC115418**

ANP32D (NM_012404) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANP32D (NM_012404) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANP32D
Synonyms:	PP32R2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_012404, the custom clone sequence may differ by one or more nucleotides

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ATGGAGATGGGCAATGGATTCATTTAGAGCTGCGGAACAGGACGCCCTCCGATGTGAAAGAACTTTTCC
TGGACAACAGTCAGTCAAATGAAGGCAAATTGGAAGGCCTCACAGATGAATTTGAAGAACTGGAATTATT
AAATACAATCAACATAGGCCTCACCTCAATTGCAAAGTTAAACAACTTAAGAAGCTTGAA
CTAAGCAGTAACAGAGCCTCAGTGGCCTAGAAGTATTGGCAGAAAAGTGTCCAAACCTCATACATCTAA
ATTTAAGTGGCAACAAAATTAAGACCTCAGCACAAATAGAGCCCCTGAAAAAGTTAGAAAACCTCGAGAG
CTTAGACCTTTTCACTTGGGAGTAACCAACCTGAACAACCTACTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_012404 unedited NNGGGTCGGTTTTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGCCTCGT GCCGAATTCGGCACGAGGGCTGGTTGAGCCTTCAAAGTCTAAAACGCGCGGCCGTGGGT TCGGGGTTTATTGATTGAATTCGCCGGCGGGAGCCTCTGCAGAGAGAGAGCGCGAGA GATGGAGATGGGCAGACGGATTCATTTAGAGCTGCGGAACAGGACGCCCTCTGATGTGAA AGAACTTGTCTTGACAACAGTCGGTCAATGAAGGCAAACCTCGAAGGCCTCACAGATGA ATTTGAAGAAGTGAATTTCTTAAGTACAATCAACGTAGGCCTCACCTCAATCGCAAACCT ACCAAAGTTAAACAAACTTAAGAAGCTTGAACCTAAGCGATAACAGAGTCTCAGGGGCCT GGAAGTATTGGCAGAAAAGTGTCCGAACCTCACGCATCTAAATTTAAGTGCAACAAAAT TAAAGACCTCAGCACAATAGAGCCACTGAAAAAGTTAGAAAACCTCAAGAGCTTAGACCT TTTCAATTGCGAGGTAACCAACCTGAACGACTACCGAGAAAATGTGTTCAAGCTCCTCCC GCAACTCACATATCTCGACGGCTATGACCGGGACGACAAGGAGGCCCTGACTCGGATGC TGAGGGCTACGTGGAGGGCTGGATGATGAGGAGGAGGATGAGGATGAGGAGGAGTATGA TGAAGATGCTCAGGTAGTGAAGACGAGGAGGCCAGGGATGAGGAGGAGGAAGGTGAAA GGAGCNCNTNNATTGGANAAGAGGGAGGAGATTAANAAAGCTATTACGATGGAGAGGTAN ATGACGAGGAAGATGAAGAAGAGCTTGGTGAGAAAANAAGGGTCAGAAGCGN
Restriction Sites:	NotI-NotI
ACCN:	NM_012404
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:	<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_012404.2</u> , <u>NP_036536.2</u>
RefSeq Size:	396 bp
RefSeq ORF:	396 bp
Locus ID:	23519
UniProt ID:	<u>O95626</u>
Cytogenetics:	12q13.11
Domains:	LRR

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 absent in the protein encoded by this gene. This gene does not contain introns. [provided by RefSeq, Jul 2008]