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Product datasheet for SC116212

PHAP1 (ANP32A) (NM_006305) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHAP1 (ANP32A) (NM_006305) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHAP1
Synonyms:	C15orf1; HPPCn; I1PP2A; LANP; MAPM; PHAP1; PHAPI; PP32
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC116212 sequence for NM_006305 edited (data generated by NextGen Sequencing)

ATGGAGATGGGCAGACGGATTCATTTAGAGCTGCGGAACAGGACGCCCTCTGATGTGAAA
GAACTTGTCCTGGACAACAGTCGGTCGAATGAAGGCAAACTCGAAGGCCTCACAGATGAA
TTTGAAGAACTGGAATTCTTAAGTACAATCAACGTAGGCCTCACCTCAATCGCAAACTTA
CCAAAGTTAAACAAACTTAAGAAGCTTGAACTAAGCGATAACAGAGTCTCAGGGGGCCTG
GAAGTATTGGCAGAAAAGTGTCCGAACCTCACGCATCTAAATTTAAGTGGCAACAAAATT
AAAGACCTCAGCACAATAGAGCCACTGAAAAAGTTAGAAAACCTCAAGAGCTTAGACCTT
TTCAATTGCGAGGTAACCAACCTGAACGACTACCGAGAAAATGTGTTCAAGCTCCTCCCG
CAACTCACATATCTCGACGGCTATGACCGGGACGACAAGGAGGCCCCTGACTCGGATGCT
GAGGGCTACGTGGAGGGCCTGGATGATGAGGAGGAGGATGAGGATGAGGAGGAGTATGAT
GAAGATGCTCAGGTAGTGGAAGACGAGGAGGACGAGGATGAGGAGGAGGAAGGTGAAGAG
GAGGACGTGAGTGGAGAGGAGGAGGAGGATGAAGAAGGTTATAACGATGGAGAGGTAGAT
GACGAGGAAGATGAAGAAGAGCTTGGTGAAGAAGAAAGGGGTCAGAAGCGAAAACGAGAA
CCTGAAGATGAGGGAGAAGATGATGACTAA

Clone variation with respect to NM_006305.3

View online »

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006305 unedited
TCAAATTTTGTAATACGACTCACTATTAGGGCGGCCGCGAATTCGCACCANAAACGCGCG
GCCGTGGGTTCGGGGTTTATTGATTGAATTCCGCCGGCGCGGGAGCCTCTGCAGAGAGAG
AGCGCGAGAGATGGAGATGGGCAGACGGATTCATTTAGAGCTGCGGAACAGGACGCCCTC
TGATGTGAAAGAACTTGTCCTGGACAACAGTCGGTCGAATGAAGGCAAACTCGAAGGCCT
CACAGATGAATTTGAAGAACTGGAATTCTTAAGTACAATCAACGTAGGCCTCACCTCAAT
CGCAAACTTACCAAAGTTAAACAAACTTAAGAAGCTTGAACTAAGCGATAACAGAGTCTC
AGGGGGCCTGGAAGTATTGGCAGAAAAGTGTCCGAACCTCACGCATCTAAATTTAAGTGG
CAACAAAATTAAAGACCTCAGCACAATAGAGCCACTGAAAAAGTTAGAAAACCTCAAGAG
CTTAGACCTTTTCAATTGCGAGGTAACCAACCTGAACGACTACCGAGAAAATGTGTTCAA
GCTCCTCCCGCAACTCACATATCTCGACGGCTATGACCGGGACGACAAGGAGGCCCCTGA
CTCGGATGCTGAGGGCTACGTGGAGGGCCTGGATGATGAGGAGGAGGATGAGGATGAGGA
GGAGTATGATGAAGATGCTCANGTAGTGGAAGACANGGAGACCANGNATGANGAGGAGGA
AGGTGAANAGAAGCTTTANTTGGAAAGGAGGAGGAGATNAANAAGGTATAACGATGGNAG
AGTANATGACNAGGNAGATGAANAANAGCTTGGTGAAGAAGAAGGGGGGTCAGAGCGAAA
CGAGAACCCTGAGATGAGGGAGAAGTGATGACCTAGTGGATAACCTATTTGAAAAATCCT
ATGGTGCGGGGGGTTTTCCCCATATNCCTTTCCCCCCCCTCATNCTGCCCCTGAAACTAT
TTTTCTGATGTACGTGCTGTGGAA
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Restriction Sites: NotI-NotI

ACCN: NM_006305

Insert Size: 2250 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).

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_006305.2, NP_006296.1

RefSeq Size: 1136 bp

RefSeq ORF: 750 bp

Locus ID: 8125

UniProt ID: P39687

Cytogenetics: 15q23

Domains: LRR, LRRcap

Protein Families: Druggable Genome, Stem cell - Pluripotency

Gene Summary: Implicated in a number of cellular processes, including proliferation, differentiation, caspase-dependent and caspase-independent apoptosis, suppression of transformation (tumor suppressor), inhibition of protein phosphatase 2A, regulation of mRNA trafficking and stability in association with ELAVL1, and inhibition of acetyltransferases as part of the INHAT (inhibitor of histone acetyltransferases) complex. Plays a role in E4F1-mediated transcriptional repression.[UniProtKB/Swiss-Prot Function]