

Product datasheet for **SC304639**

NPAP1 (NM_018958) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPAP1 (NM_018958) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPAP1
Synonyms:	C15orf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304639 representing NM_018958. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGGGCAATTTACTTAGTAAATTTAGACCCGGTGCCGCCCGGCCCTGCCAGGGCCAGGGCGTGGC
GCCCCGCTCCCCTGTCCGGGACGCCTCCCGCCCGGTGGGCTCACTCTGTACCCACCCCGCGCCCT
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AGGCCGTGCTCTCCCTCGGGTGGGCCGCCCTCTGGGGTCTGCCGGTGTGGGTGGGGCTG
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TTCAAGCCTCCCGTCACAAGGGAGTCCCCAATATCTATGTGTGTGGATTCCCCTCCTCTTTCTTCTC
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GTCTGTTTCCAACCTCCGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

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Restriction Sites:	Sgfl-MluI
ACCN:	NM_018958
Insert Size:	3471 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_018958.2

RefSeq Size: 8053 bp

RefSeq ORF: 3471 bp

Locus ID: 23742

UniProt ID: Q9NZP6

Cytogenetics: 15q11.2

MW: 121 kDa

Gene Summary: This intronless retrogene is located in the Prader-Willi syndrome region on chromosome 15. This gene exhibits tissue-specific imprinting. Expression in adult testis and brain is biallelic, while expression in fetal brain is monoallelic and only from the paternal chromosome. The encoded protein is associated with the nuclear pore complex. [provided by RefSeq, Mar 2021]