

## Product datasheet for **SC320761**

### **DMAP1 (NM\_001034023) Human Untagged Clone**

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | DMAP1 (NM_001034023) Human Untagged Clone |
| Tag:                      | Tag Free                                  |
| Symbol:                   | DMAP1                                     |
| Synonyms:                 | DNMAP1; DNMTAP1; EAF2; MEAF2; SWC4        |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-AC (PS100020)                       |
| E. coli Selection:        | Ampicillin (100 ug/mL)                    |



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001034023.1  
 GGGGAGTGGTAGTGGGGCTGCAGCTGCCGGACCCAGGTGCGGAAGTGCAGGGGCCAGG  
 TGGCTGAAGGGGCGGTTAGGAACATCCAAGCGGTGGGGCACAGGCAGATCCCCGACCTGA  
 CCTGGACCACCCTTCTCCTCTTGGCCCCCCCCTTCAACTCGCCTCCGCTTAGGTCTGGAT  
 TGGCCCCGCCCTGACCTGAGCCTGGTCTTCTCAGGCACTGACCCTTACCTCCGGT  
 GGCTCCCCATCTCTCAGGCGCATGGCTACGGGCGGGATGTACGGGACATTCTAGAAC  
 TCGGGGTCCAGAAGGGGATGCAGCCTTGGGACCATCAGCAAGAAGGACATTATCAACC  
 CGGACAAGAAAAATCCAAGAAGTCTCTGAGACTGACTTTCAAGAGGCCCGAGGGCA  
 TGCACCGGAAGTCTATGCCTTGTCTACTCTGACAAGAAGGATGCACCCCCACTGCTAC  
 CCAGTGACTGGCCAGGGATACCGTACAGTGAAGGCCAAGTTGGGCTCCAAGAAGGTGC  
 GGCCTTGAAGTGGATGCCATTACCAACCCGGCCGCAAGGACGGAGCAATGTTCTTCC  
 ACTGGCGACGTGCAGCGGAGGAGGGCAAGGACTACCCCTTGGCAGGTTCAATAAGACTG  
 TGCAGGTGCTGTACTCGGAGCAGGAGTACCAGCTTATCTCCACGATGATGCTTGA  
 CTAAGGCAGAACTGACCACCTTTGACCTCAGCCGCCGCTTTGACCTGCGTTTTGTG  
 TTATCCATGACCGGTATGACCACCAGCAGTTCAAGAAGCGTTCTGTGGAAGACCTGAAGG  
 AGCGGTACTACCACATCTGTGCTAAGCTTGCCAACGTGCGGGCTGTGCCAGGCACAGACC  
 TTAAGATACAGTATTTGATGCTGGGCACGAACGACGGCGGAAGGAACAGCTTGAGCGTC  
 TCTACAACCGGACCCAGAGCAGGTGGCAGAGGAGGAGTACCTGCTACAGGAGCTGCGCA  
 AGATTGAGGCCCGGAAGAAGGAGCGGGAGAAACGACGCCAGGACCTGCAGAAGCTGATCA  
 CAGCGGCAGACACCCTGAGAGCAGCGGCGCACGGAACGCAAGGCCCCCAAAAAGAAC  
 TACCCAGAAAAAGGAGGCTGAGAAGCCGGCTGTTCTGAGACTGCAGGCATCAAGTTTC  
 CAGACTTCAAGTCTGCAGGTGTACGCTGCGGAGCCAACGGATGAAGCTGCCAAGCTCTG  
 TGGGACAGAAGAAGATCAAGCCCTGGAACAGATGCTGCTGGAGCTTGGTGTGGAGCTGA  
 GCCCGACACCTACGGAGGAGCTGGTGCACATGTTCAATGAGCTGCGAAGCGACCTGGTGC  
 TGCTCTACGAGCTCAAGCAGGCCTGTGCCAACTGCGAGTATGAGCTGCAGATGCTGCGGC  
 ACCGTCATGAGGCACTGGCCCGGCTGGTGTGCTAGGGGGCCCTGCCACACCAGCATCAG  
 GCCCAGGCCCGGCTCTGCTGAGCCGGCAGTGAACCCGGACTTGGTCTGACCCCA  
 AGGACACCATCATTGATGTGGTGGGCGCACCCCTCACGCCAATTCGAGAAAGCGACGGG  
 AGTCGGCTCCAGCTCATCTCCGTGAAGAAAGCAAGAAGCCGTGAGAGGCCCCACGGG  
 GTGTGGGCGACGCTGTTACGTAAATAGAGCTGCTGAGTTGAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_001034023
- 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).

|                               |  |
|-------------------------------|--|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                | <a href="#">NM_001034023.1</a> , <a href="#">NP_001029195.1</a>  |
| <b>RefSeq Size:</b>           | 1603 bp  |
| <b>RefSeq ORF:</b>            | 1404 bp  |
| <b>Locus ID:</b>              | 55929  |
| <b>UniProt ID:</b>            | <a href="#">Q9NPF5</a>   |
| <b>Cytogenetics:</b>          | 1p34.1   |
| <b>Protein Families:</b>      | Transcription Factors  |
| <b>Gene Summary:</b>          | <p>This gene encodes a subunit of several, distinct complexes involved in the repression or activation of transcription. The encoded protein can independently repress transcription and is targeted to replication foci throughout S phase by interacting directly with the N-terminus of DNA methyltransferase 1. During late S phase, histone deacetylase 2 is added to this complex, providing a means to deacetylate histones in transcriptionally inactive heterochromatin following replication. The encoded protein is also a component of the nucleosome acetyltransferase of H4 complex and interacts with the transcriptional corepressor tumor susceptibility gene 101 and the pro-apoptotic death-associated protein 6, among others. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.</p> |