

## Product datasheet for **SC306066**

### DAB2IP (NM\_138709) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DAB2IP (NM_138709) Human Untagged Clone
Tag:	Tag Free
Symbol:	DAB2IP
Synonyms:	AF9Q34; AIP-1; AIP1; DIP1/2
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_138709, the custom clone sequence may differ by one or more nucleotides

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ATGCCGAGGCTGAAGGAGTCTCGCTCCCACGAGTCCCTGCTCAGCCCCAGCAGTGCAGTGC
GAGGCGCTGGACCTCAGCATGGAGGAAGAGGTGGTCAAGCCCGTGCACAGCAGCATC
CTTGCCAGGACTACTGCTTCGAGGTGACGACGTCATCAGGAAGCAAGTCTTTCTGCTG
CGGTCTGCAGCTGAGCGGGATAAGTGGATGGAGAACCTCCGGCGAGCGGTGCATCCCAAC
AAGGACAACAGCCGGCGTGTGGAGCACATCCTGAAGCTGTGGGTGATCGAGGCCAAGGAC
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ACCACGGGCAAGCTCAAGACGGACAATGTTTTCTGGGGCAGCACTTCGAGTTCCACAAC
TTGCCGCCTCTGCGCACGGTCACTGTCCACCTGTACCGGGAGACCGACAAGAAGAAGAAG
AAGGAGCGCAACAGTTACCTGGGCCTGGTGGAGCCTACCTGCTGCCTCGGTGGCCGGGCGG
CAGTTCGTGGAGAAGTGGTACCCGGTGGTACGCCCAACCCCAAGGGCGGCAAGGGCCCT
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TACAAAGAGTTTCGCTGAGCACATACCAAACCACTACCTGGGGCTGTGTGCAGCCCTCGAG
CCCATCCTCAGTGCCAAGACCAAGGAGGAGATGGCATCTGCCCTGGTGCACATCCTGCAG
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GACCGCACTGCCGCACCCTCACCTCATCGCCAAGGTCAACCCAGAACCTGGCCAACTTT
GCCAAATTTGGCAGCAAGGAGGAATACATGTCCTTCATGAACCAGTTCCTAGAGCATGAG
TGGACCAACATGCAGCGCTTCTGCTGGAGATCTCCAACCCCGAGACCCTCTCCAATACA
GCCGGCTTCGAGGGCTACATCGACCTGGGCCGCGAGCTCTCCAGCCTGCACTCACTGCTC
TGGGAGGCCGTACGCCAGCTGGAGCAGAGCATAGTATCCAAACTGGGACCCCTGCCTCGG
ATCCTGAGGGACGTCCACACAGCACTGAGCACCCAGGTAGCGGGCAGCTCCCAGGGACC
AATGACCTGGCCTCCACACCGGGCTCTGGCAGCAGCAGCATCTCAGCTGGGCTGCAGAAG
ATGGTGATTGAGAACGATCTTCCGGTCTGATAGATTTACCCGGTTACCGTCTCCAACC

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CCCGAAAACAAGGACTTGTTTTTTGTCAACAAGTCTCCGGGGTCCAGCCCTCACCTGCC
CGCAGCTCGAGTTACTCGGAAGCCAACGAGCCTGATCTTCAGATGGCCAACGGTGGCAAG
AGCCTCTCCATGGTGGACCTCCAGGACGCCCGCACGCTGGATGGGGAGGCAGGCTCCCCG
GCGGGCCCCGACGTCTCCCCACAGATGGGCAGGCCGCTGCAGCTCAGCTGGTGGCCGGG
TGGCCGGCCCCGGCAACCCCAAGTGAACCTGGCAGGGCTGGCCACGGTGC GGCGGGCAGGC
CAGACACCAACCAACACAGGCACCTCCGAGGGCCGCCAGGCCGGCCCCAGCTGTTGGCA
CCGCTCTCCTTCCAGAACCCTGTGTACCAGATGGCGGCTGGCCTGCCGCTGTACCCCGT
GGCCTTGGCGACTCAGGCTCTGAGGGCCACAGCTCCCTGAGCTCACACAGCAACAGCGAG
GAGTTGGCGGCTGCTGCCAAGCTGGGAAGTTTCAGCACTGCCCGGAGGAGCTGGCTCGG
CGGCCCGGTGAGCTGGCACGGCGACAGATGCTACTGACTGAAAAAGGCGGGCAGCCACG
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CCGCCGCCACCTCTGCCCCCCGCGCCGACGCCCCCCAACCTGCTGAGCACCTGCAG
TACCCAAGACCCTCAAGCGGAACCCTGGCGTCGGCCTCACCTGATTGGGTGGGCCCCAGT
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GCAGTGCACAAGCAGGGCCCTTACCTGTGAGCCCAATGCCCTGGACCGCACAGCCGCT
TGGCTCTTGACCATGAACGCGCAGTTGTTAGAAGACGAGGGCCTGGGCCAGACCCCCC
CACAGGGATAGGCTAAGGAGTAAGGACGAGCTCAGCCAAGCAGAAAAGGACCTGGCGGTG
CTGAGGACAAGCTGCGAATCTCCACCAAGAAGCTGGAGGAGTATGAGACCCTGTTCAAG
TGCCAGGAGGAGACGACGAGCAGAAAGCTGGTGTGGAGTACCAGGCACGGCTGGAGGAGGGC
GAGGAGCGGCTGCGGGCGGACGAGGAGGACAAGGACATCCAGATGAAGGGCATCATCAGC
AGGTTGATGTCCGTGGAGGAAGAACTGAAGAAGGACCACGAGAGATGCAAGCGGCTGTG
GACTCAAACAGAAGATCATTGATGCCAGGAGAAGCGCATTGCCTCGTTGGATGCCGCC
AATGCCCGCCTCATGAGTGCCCTGACCCAGCTGAAAGAGAGGTACAGCATGCAAGCCCGT
AACGGCATCTCCCCACCAACCCACCAATTGCAGATTACTGAGAACGGCGAGTTTCAGA
AACAGCAGCAATTGTAA

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- Restriction Sites:** Please inquire
- ACCN:** NM\_138709
- 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\\_138709.1](#), [NP\\_619723.1](#)
- RefSeq Size:** 3500 bp

RefSeq ORF: 3198 bp

Locus ID: 153090

UniProt ID: [Q5VWQ8](#)

Cytogenetics: 9q33.2

**Gene Summary:** DAB2IP is a Ras (MIM 190020) GTPase-activating protein (GAP) that acts as a tumor suppressor. The DAB2IP gene is inactivated by methylation in prostate and breast cancers (Yano et al., 2005 [PubMed 15386433]).[supplied by OMIM, May 2010]  
Transcript Variant: This variant (2) contains an alternate 5' terminal exon, initiates translation at a downstream start codon and contains a 3' terminal exon that extends past a splice site, compared to variant 1. It encodes isoform 2, which is shorter and has distinct N- and C-termini, compared to isoform 1.