

## Product datasheet for **SC321375**

### **DAB2 (NM\_001343) Human Untagged Clone**

#### **Product data:**

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | Expression Plasmids                   |
| Product Name:             | DAB2 (NM_001343) Human Untagged Clone |
| Tag:                      | Tag Free                              |
| Symbol:                   | DAB2                                  |
| Synonyms:                 | DOC-2; DOC2                           |
| 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\_001343.1  
 CGCTTCACGGAGGCAATAGCTAGCCGGTGTCTGTGGGAGGTTATGTTTATTTGAGAGTTC  
 TCCATCGGGATCGCCTGGTGTCAACCAAGTGTCCACTGGTACTGAGGTTTGTCTGCCTGCCT  
 TCTTGCCATGTCTAACGAAGTAGAAACAAGTGCAACCAATGGTCAGCCCGACCAACAGGC  
 CGCACAAAAGCACCCCTCAAAGAAGGAAAAAAGAAAGGCCCTGAAAAGACAGATGAATA  
 TCTCTTAGCAAGGTTCAAAGGCGATGGTGTAAAATATAAGGCCAAGCTGATTGGCATTGA  
 TGATGTGCCAGATGCAAGAGGGGATAAAATGAGCCAAGACTCTATGATGAAACTAAAGGG  
 AATGGCGGCAGCTGGTCTCAGGGACAACACAAACAAGGATCTGGGTCAACATTTTC  
 CCTTTCTGGGATAAAAAAATTGATGAGAAAACTGGGGTAATAGAGCATGAACATCCAGT  
 AAATAAGATTTCTTTCATTGCCCGTGTGTGACAGACAACCGGGCATTGGTTACGTGTG  
 TGGAGGAGAAGGCCAGCATCAGTTTTTTGCCATAAAAACCGGGCAACAGGCTGAACCATT  
 AGTTGTTGATCTTAAAGACCTTTTTCAAGTTATCTATAATGTAAGAAAAAGGAAGAAGA  
 AAAGAAAAAGATAGAGGAAGCCAGCAAAGCAGTTGAGAATGGGAGTGAGGCCCTAATGAT  
 TCTAGATGACCAAATAACAACTGAAATCGGGTGTGACCAGATGGATTTGTTGGGGA  
 CATGTCTACACCTCCTGACCTAAATAGTCCAACAGAAAGCAAAGATATCCTGTTAGTGG  
 TCTAAACTCTGAAATCGACACCAATCAGAATCTTTAAGAGAAAAATCCATTCTTAACAAA  
 CGGCATCACCTCCTGTTCTCTTCCGACCAACGCCTCAGGCATCCTTCTGCCTGAAAA  
 TGCCTTTTCTGCCAATCTCAACTCTTTCCACCCCTAATCCTGATCCTTCCGTGACGA  
 TCCTTTACACAGCCAGACCAATCGACACCTTCTTCGTTTGATTCTCTCAAACTCCAGA  
 TCAGAAGAAAGAGAAATTCGAGTAGCTCGTCTACTCCGCTGAGTAATGGGCCCTGAATGG  
 TGATGTTGACTACTTTGGTCAGCAATTTGACCAGATCTCTAACCGGACTGGCAAACAGGA  
 AGCTCAGGCAGGCCATGGCCCTTTCAAGTTCGCAAACCCAGCCAGCAGTGAGAACTCA  
 AAATGGGGTATCTGAAAGAGAACAACAGACGGCTTCTGTCAAATCCTCCCGAACCCCTT  
 TGTGGGAAGCCCTCCCAAGGACTGTCCATACAGAATGGCGTAAAGCAGGACTTGAAAG  
 CTCTGTCCAGTCTCACACATGACTCCATAGCCATTATCCACCTCCACAAAGTACCAA  
 ACCAGGAAGAGGCAGAAGGACTGCTAAGTCTTCAGCCAATGACTTGCTTGATCAGACAT  
 CTTTGCTCCTCCCGTCTCAGAACCTTCAGGCCAGGCGTCAACCCAGGACAACCTACAGC  
 CCTGCAGCCCAACCTCTGGATCTTTCAAACAAGTGTCTGCCCCAGTGGGGCCCT  
 GGTGGGTCTAGGTGGTGAAGTGTCACTCCCTCAGGCAGGACCATGGAACACAGCATC  
 TTTGGTCTTCAATCAGTCCCTTCAATGGCTCCGGGAGCCATGATGGGTGGTCAACCTTC  
 AGGTTTTAGTCAGCCCGTCATTTTTGGTACAAGTCCAGCTGTTTCAGGTTGGAACAGCC  
 TTCACCCTTTGCAGCCTCAACTCCCCCTCCAGTGCCTGTTGTCTGGGGCCCTTCTGCATC  
 TGTGGCACCCAATGCTTGGTCAACAACAAGCCCTTTGGGGAATCCTTTTCAGAGCAATAT  
 TTTTCCAGCTCCTGCTGTGTCCACTCAGCCCCATCCATGCACCTCCTCTCCTGGTTCAC  
 TCCTCCTCAGCCACCTCCAGAGCTGGCCCTCCCAAGGACATCTCCAGTATGCCTTCAC  
 TGCCTTAGACCCACTTGGGGATAAAGAGATCAAGGATGTGAAAGAAATGTTTAAGGATTT  
 CCAACTGCGGCAGCCACTGTGTGCCCGCGGAAGGGAGAGCAGACTTCTTCTGGGAC  
 TTTGAGTGCCCTTGGCAGTTATTTCAACAGCAAGGTTGGCATTCTCAGGAGAATGCAGA  
 CCATGATGACTTTGATGCTAATCAACTATTGAACAAGATCAATGAACCACCAAAGCCAGC  
 TCCCAGACAAGTTTTCCCTGCCAGTTACCAAACTACTGACAATGCATTTGAGAACCCTTT  
 CTTTAAAGATTCTTTGGTTTCATCACAAGCCTCTGTGGCTTCTTCAACCTGTATCTTC  
 TGAGATGTATAGGGATCCATTTGGAAATCCTTTTGCCATAATTCTGAACTTGGTCTGCAG  
 ACCATCCAGAGGAATAAAAAGGTTGGCCTTAGTAGTCAAAAACAAGCTGATAGCCAGAC  
 ACGTTCTGATTTCTGCCCTTGTCCAGCTTTGACGATTATCTGTTGCCTATTTCTCAT  
 TGCCCTTCTACTTGTAATGCTTTTCACTTTCTGTCTAGGTTAAAGCTAAACTGAATC  
 TATGGCTTTAAATAAATTAAGATCCTAACTCTCTAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_001343

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>OTI Annotation:</b>        | 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.  |
| <b>Components:</b>            | 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_001343.1</a> , <a href="#">NP_001334.1</a>   |
| <b>RefSeq Size:</b>           | 3268 bp   |
| <b>RefSeq ORF:</b>            | 2313 bp   |
| <b>Locus ID:</b>              | 1601  |
| <b>UniProt ID:</b>            | <a href="#">P98082</a>  |
| <b>Cytogenetics:</b>          | 5p13.1  |
| <b>Domains:</b>               | PID   |
| <b>Protein Families:</b>      | Druggable Genome  |
| <b>Protein Pathways:</b>      | Endocytosis   |
| <b>Gene Summary:</b>          | <p>This gene encodes a mitogen-responsive phosphoprotein. It is expressed in normal ovarian epithelial cells, but is down-regulated or absent from ovarian carcinoma cell lines, suggesting its role as a tumor suppressor. This protein binds to the SH3 domains of GRB2, an adaptor protein that couples tyrosine kinase receptors to SOS (a guanine nucleotide exchange factor for Ras), via its C-terminal proline-rich sequences, and may thus modulate growth factor/Ras pathways by competing with SOS for binding to GRB2. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript, and encodes the longer isoform (1).</p> |