

Product datasheet for **SC332100**

DAB2 (NM_001244871) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAB2 (NM_001244871) Human Untagged Clone
Tag:	Tag Free
Symbol:	DAB2
Synonyms:	DOC-2; DOC2
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332100 representing NM_001244871.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCTAACGAAGTAGAAAACAAGTGAACCAATGGTCAGCCCGACCAACAGGCCGACCAAAAAGCACCC
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TCTGAGATGTATAGGGATCCATTTGAAATCCTTTTGCCTAA
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001244871

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:	<ol style="list-style-type: none">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_001244871.1
RefSeq Size:	4554 bp
RefSeq ORF:	2250 bp
Locus ID:	1601
UniProt ID:	P98082
Cytogenetics:	5p13.1
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis
MW:	80.2 kDa
Gene Summary:	<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 (2) lacks an in-frame coding exon compared to variant 1. This results in a shorter isoform (2) missing an internal protein segment compared to isoform 1.</p>