

## Product datasheet for MR231543

### Daam1 (NM\_001286452) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Daam1 (NM\_001286452) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Daam1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR231543 representing NM\_001286452  
Red=Cloning site Blue=ORF Green=Tags(s)

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AGGACCTTTCTTCTCTGGTTGGGGTCTTCTTCCCTCCCCACCACCCCACTCCTTCAGGTGGA



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GCACTTCCTCCTCCACCCTCCCCTCCCTCCTGGGGTCTCCTCCTCCCCAGGGCCTCCTCCCTTAG  
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**Protein Sequence:**

>MR231543 representing NM\_001286452  
Red=Cloning site Green=Tags(s)

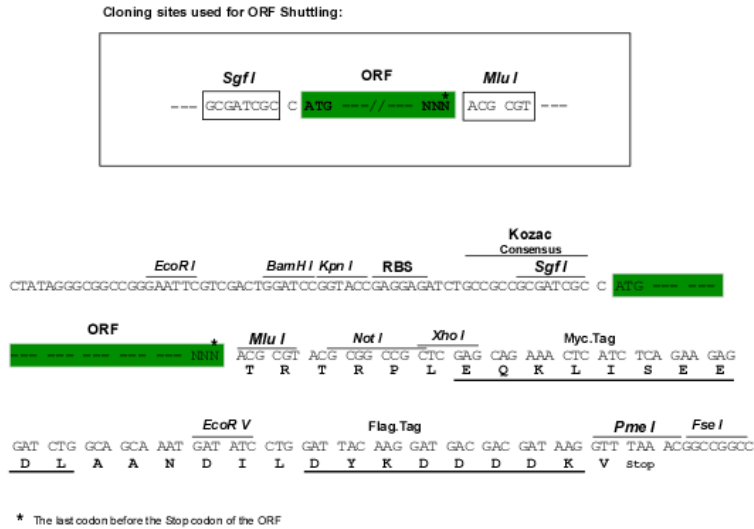
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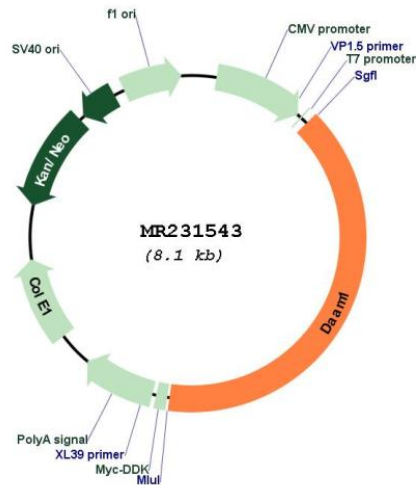
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_001286452

ORF Size:

3204 bp

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<u><a href="#">NM_001286452.1</a></u> , <u><a href="#">NP_001273381.1</a></u>
<b>RefSeq Size:</b>	6028 bp
<b>RefSeq ORF:</b>	3207 bp
<b>Locus ID:</b>	208846
<b>UniProt ID:</b>	<u><a href="#">Q8BPM0</a></u>
<b>Cytogenetics:</b>	12 C3
<b>MW:</b>	122.7 kDa
<b>Gene Summary:</b>	Binds to disheveled (Dvl) and Rho, and mediates Wnt-induced Dvl-Rho complex formation. May play a role as a scaffolding protein to recruit Rho-GDP and Rho-GEF, thereby enhancing Rho-GTP formation. Can direct nucleation and elongation of new actin filaments (By similarity). Involved in building functional cilia. Involved in the organization of the subapical actin network in multiciliated epithelial cells (By similarity). Together with DAAM2, required for myocardial maturation and sarcomere assembly (PubMed:26526197).[UniProtKB/Swiss-Prot Function]