

## Product datasheet for **MC223437**

### Daam1 (NM\_026102) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Daam1 (NM_026102) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Daam1
Synonyms:	1700066F09Rik; 2310028E21Rik; AI503486; E130308H01; mKIAA0666
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223437 representing NM_026102 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCCCCACGGAAGAGAGGGCGGCCGGGGATTTCATTTATCTTTTGCTGTTCCGAAACAATGACCATC  
CAGAAATCACATATCGGCTTAGGAATGATAGCAACTTTGCACTTCAGACAATGGAGCCGGCGCTGCCAT  
GCCCCCTGTGGAGGAGCTCGATGTCATGTTTCAGTGAACCTGTGGATGAACCTGACCTCACAGACAAACAC  
AGGGAAGCCATGTTTGCACCTCCAGCAGAGAAAAGTGGCAGATACTGTAGCAAGAAAAGGACCAGG  
AAGAAAACAAGGGAGCAACCAGTTGGCCGAGTTCATTTGATCAGCTCAATCCATGGCTGCTAGGAA  
ATCTCTGCTGGCTTTAGAGAAGGAAGAAGAGGAGGAGGAGTAAAACCTCGAGAGTCTGAAGACAGCA  
CTGAGAACCAAGCCCATGAGGTTTGAACCAGATTCATCGACTTGGATGGCCTGTCATGTATTCTCAACT  
TTCTGAAGACCATGGACTATGAGACCTCTGAGTCTCGGATACACACCTCCCTCATTGGCTGTATAAAGGC  
ACTAATGAACAACCTCTCAAGCCGGGCCCATGTCCTGGCTCATTCTGAGAGTATCAATGTAATTGCTCAG  
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AGCTCCACGAGCTGAACAGGAGGGCCGTCTGTGCAGCAGTCCCAGGAGGACCCTCACCCGGAGCCCCTGG
AGGACCCTTTCTTCTCTGGGTTGGGGTCTTCTCCCTCCCCACCACCCCACTCCTTTTCAGGTGGA
GCATTCTCTCCACCACCTCCCTCCCTCCTGGGGTCTCTCTCCCCAGGGCTCCTCCCTTAG
GAGGAGTCTGCCACCTCCTGGTCTCCAGTGAGTCTAACACTCAAGAAGAAGAATATCCCCAGCCAC
CAATGCCCTGAAATCCTTCAACTGGTCCAAGTTGCCTGAGAACAATGGATGGAACAGTATGGACTGAA
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CATGACTGAGCTGGACAAGGAGATCAGCACCTGAGGAGTGGCCTGAAAGCTGTAGAGACGGAGCTGGAG
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GCCGTGGCCGAAGCGAAACAGGAAAATGAGAATGAGAAAAGGAAGGAGGAGGAGGAAACGGCGGGCTC
GCCTGGAAGCTCAGCTCAAAGAGCAGCGGGAGAGGGAGCGGAAGGTGAGGAAGCCAAAGGAGCAGTGA
AGAGAGTGGAGAGTTTACGACCTGGTCTCGGCGCTGCGCTCAGGAGAGGTGTTGACAAAGACCTTCA
AAACTCAAACGGAACCGGAAACGCATTTCCAACCAGGTGACGGACAGCAGCCGGGAGCGACCAATCACA
AACTTAATTTTAA

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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_026102
- Insert Size:** 3234 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:**
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\\_026102.3](#), [NP\\_080378.2](#)

RefSeq Size: 6023 bp

RefSeq ORF: 3234 bp

Locus ID: 208846

UniProt ID: [Q8BPM0](#)

Cytogenetics: 12 C3

**Gene Summary:** 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]

Transcript Variant: This variant (1) encodes the longer isoform (a). Both variants 1 and 2 encode the same isoform.