

Product datasheet for MC229332

Daam1 (NM_001286452) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Daam1 (NM_001286452) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Daam1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229332 representing NM_001286452 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCCACGGAAGAGAGGGCGGCCGGGGATTTCATTTATCTTTTGCTGTTCCGAAACAATGACCATC
CAGAAATCACATATCGGCTTAGGAATGATAGCAACTTTGCACTTCAGACAATGGAGCCGGCGCTGCCAT
GCCCCCTGTGGAGGAGCTCGATGTCATGTTTCAGTGAACCTGTGGATGAACCTGACCTCACAGACAAAC
AGGGAAGCCATGTTTGCCTCCAGCAGAGAAAAGTGGCAGATATACTGTAGCAAGAAAAGGACCAGG
AAGAAAACAAGGGAGCAACCAAGTTGGCCGAGTCTACATTGATCAGCTCAATCCATGGCTGCTAGGAA
ATCTCTGCTGGCTTTAGAGAAGGAAGAAGAGGAGGAGGAGTAAAACATCGAGAGTCTGAAGACAGCA
CTGAGAACCAAGCCCATGAGGTTTGTAAACCAGATTCATCGACTTGGATGGCCTGTCATGATTCTCAACT
TTCTGAAGACCATGGACTATGAGACCTCTGAGTCTCGGATACACACCTCCCTCATTGGCTGTATAAAGGC
ACTAATGAACAACCTCAAGGCCGGGCCATGTCCTGGCTCATTCTGAGAGTATCAATGTAATTGCTCAG
AGTCTGAGCACAGAGAACATTAACAAGGTGGCCGTGCTGAAATCCTGGGCGCTGTGTGCTGGTTC
CTGGGGGCCACAAGAAAGTTCTGCAAGCTATGCTGCACTACCAGAAGTATGCCAGCGAGAGAACCCGCTT
CCAGACGTTAATTAATGACTTGGATAAAAGCACTGGGCGTTATCGGGATGAAGTAACTCAAGACGGCC
ATCATGTCCTTCAATGCAAGTCTGAGCCAGGGAGCCGGAGTGGAGAGTTGGACTTCAGGCTCCATC
TTGCTATGAATTTCTGATGTTAGGAATTAACCTGTTATAGATAAATTAAGGGAACATGAAAATTAAC
ACTAGACAGGCATTTAGACTTTTTTGAATGCTCCGAAATGAAGATGAAGTGAATTTGCCAAAAGATTT
GAACTGGTTCACATAGACACAAAAGCGCCACTCAGATGTTTGGCTGACCAGGAGGAGGCTAACCCACA
GCGAAGCCTACCCCACTTCATGTCCATTTGCAACCTGCTCCAGATGCCTACAAGAGGAGTGGTAA
CACAGTTCAGTACTGGCTGCTGTAGACAGAATCATACAGCAGATAGTTATCCAGAATGACAAAGGGCAG
GATCCCGACTCCACACCTCTGGAAAACCTTAATATCAAGAACGTGTAAGAATGTTGGTTAATGAAAATG
AAGTTAAGCAATGGAAGAGCAGGAGGAGGAGGAGTGAAGGAAAGAGCAATGAGCTACAACAGAAAGCTGGA
GAAGAAAGAGAGAGAATGTGATGCTAAGACCCAAGAGAAGGAAGAAATGATGCAGACCTTAACAAGATG
AAAGAGAAGCTGGAAAAGGAGACAACCTGAGCACAAGCAAGTTAAGCAGCAGGTGGCAGACCTCACGGCGC
AGCTCCACGAGCTGAACAGGAGGGCCGTCTGTGCAGCAGTCCCAGGAGGACCTCACCCGGAGCCCTGG
AGGACCTTTCTTCTCTGGTTGGGTCTCTTCTCCCTCCCCACCACCCCACTCCTTTCAGGTGGA



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GCACTTCCTCCTCCACCCTCCCCTCCCTCCTGGGGTCTCCTCCTCCCCAGGGCCTCCTCCCTTAG
 GAGGAGTCTGCCACCTCCTGGTCTCCAGTGAGTCTAACTCAAGAAGAAGATATCCCCAGCCAC
 CAATGCCCTGAAATCCTTCAACTGGTCCAGTTGCCTGAGAACAAATTGGATGGAACAGTATGGACTGAA
 ATTGATGATACCAAAGTCTTCAAATTTAGACCTTGAAGACCTAGAAAGAACGTTCTCTGCCTACAAA
 GACAGCAGAAAGAAGCAGATGCCATTGATGACACACTGAGTTCCAAACCTAAAGTCAAAGAGCTGTCAGT
 GATTGATGGTTCGAGAGCTCAGAATTGCAACATCCTTCTGTGAGGTTGAAATTAATCCAATGATGAAATC
 AAGCGGGCAATTCTAACAAATGGATGAACAGGAGGATCTGCCCAAGGACATGTTAGAACAGCTTTTGAAT
 TCGTTCCCTGAGAAAAGCGACATCGACCTGCTAGAGGAACAAGCATGAGCTGGATCGGATGGCCAAGGC
 TGACCGCTTCTGTTGAGATGAGCAGAATTAATCATTACCAGCAAAGACTGCAATCACTGTACTTCAAA
 AAGAAGTTTGAGAGCGTGTGGCAGAAGTGAAGCCCAAAGTAGAAGCGATTGCTCTGGCTCTGAGGAGG
 TGTTTCAGGAGCCGCGCCCTCAAGCAGCTCCTGGAGGTGGTCTTGGCTTTTGGAAATTATGAATAAAGG
 ACAAGAGGCAATGCATATGGATTCAAGATCTCCAGCCTCAACAAGATAGCGGATACCAATCCAGTATT
 GACAAGAACATTACTCTTTTGCCTATCTAATAACTATTGTGGAGAATAAGTACCCCAAAGTCTCAACC
 TAAGCGAAGATTGCGGGATATTCCTCAAGCAGCGAAAGTAAACATGACTGAGCTGGACAAGGAGATCAG
 CACCCTGAGGAGTGGCCTGAAAGCTGTAGAGACGGAGCTGGAGTATCAGAAGTCTCAGCCCCACAGCCT
 GGAGACAAGTTCGTGCTGTTGTGAGCCAGTTCATCACCTGGCTAGCTTCTCAGCTTCTCAGATGTTGAAG
 ATCTTCTAGCAGAAGCTAAAGAGCTGTTCACTAAAGCAGTGAAGCACTTTGGGGAAGAGGCTGGCAAGAT
 CCAGCCAGATGAGTTCCTCGGGATCTTTGATCAGTTTCTTTCAGGCCGTGGCCGAAGCGAAACAGGAAAAT
 GAGAACATGAGAAAAAGGAAGGAGGAGGAGGAACGGCGGGCTCGCTGGAAGCTCAGCTCAAAGAGCAGC
 GGGAGAGGGAGCGGAAGGTGAGGAAGGCCAAGGAGAGCAGTGAAGAGAGTGGAGAGTTTGGACACCTGGT
 CTCGGCGCTGCGCTCAGGAGAGGTGTTTCGACAAAGACCTTTCAAACCTCAAACGGAAACCGGAAACGCATT
 TCCAACAGGTGACGGACAGCAGCCGGGAGCGACCAATCACAAAACCTAATTTTAA

ACGCGTACGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001286452
- Insert Size:** 3207 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001286452.1](#), [NP_001273381.1](#)

RefSeq Size: 6028 bp

RefSeq ORF: 3207 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 (3) differs in the 5' UTR and lacks an in-frame exon in the central coding region, compared to variant 1. The encoded isoform (b) is shorter, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.