

## Product datasheet for **RN217306**

### **Dag1 (NM\_053697) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dag1 (NM_053697) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dag1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN217306 representing NM\_053697  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCTGTGGACAACTGGCTACTGCACCCCTCTGGGACAGACCTTTCTCCTCTACTGTCTGTGGCTG  
 TGGCTCAAGCCCACTGGCCAGTGAACCCCTCAGAGGCTGTGAGGGACTGGAAGAACCAGCTTGAGGCGTC  
 CATGCACTCAGTTCTCTCGGACTTCCAGGAGGCTGTTCCACCCTGGTTGGCATCCAGATGGCAGCGGT  
 GTTGTGGGGCTCATTCCGAGTGAGCATTCCAACAGATTTAATTGCCTCCAGTGAGAAATATCAAGG  
 TGTCTGCAGCAGGAAGGAGGCCCTGCCGCTCTGGCTACTGGATCCACACAGTCATATTTGGAAGG  
 CCTTCTCTTGACACTGATAAAGGTGTCCATTACATCTCAGTGAGTGTGCACGCCTGGGAGCAAATGGA  
 AGCCACGTGCCGAGACGCCAGCGTGTCTCTATTGAGGTCTACCCTGAAGACCACAGTGAGCCACAGT  
 CTGTCCGGGCAGCCTCATCAGACCCTGGTGAAGTGTGTCATCTGCTTGTGCAGCTGATGAGCCAGTGAC  
 TGTCTTACAGTGATTCTGGATGCTGACCTCACCAAGATGACCCAAAGCAAAGGATTGATCTACTGAAC  
 AGAATGCAGAGCTTCTCAGAAGTAGAATTAACAACATGAAGTTGGTGCCTGTAGTCAATAATAGACTAT  
 TTGACATGTCAGCCTTATGGCTGGCCAGGAAATGCAAAGAAAGTGGTAGAATGGGGCTCTGCTGTC  
 CTGAAACTAGGGTGTCTTGAATCAGAATAGCGTCCCTGACATCCGCGGTGTAGAAACCCTGTAGG  
 GAGGGTACCATGTCTGCCACCTTGTTATCCTGTGGTGGTTGGCACATTGCCAATAAGAAGCCCACTC  
 TCCCAAAACGAATCCGGAGGCAGATCCATGCCACTCTACACCTGTTACTGCCATTGGACCCCAACTAC  
 CGCCATTCAGGAGCCACCATCTAGGATAGTGCCTACTCCACATCTCCAGCCATTGCACCTCCAACAGAG  
 ACCATGGCTCCTCTGTTAGGGATCCTGTCCCAGGAAGCCACGGTCACCATTCCGATCGAGGTGCCA  
 TTATTCAGACCCCAACTCTGGCCCTATCCCTCTACTCGGGTGTGAGAAGCTGGTACCACAGTTCTCTGG  
 CCAGATTCGCCCAACACTGACAATTCCTGGTTATGTAGAGCCACAGCAGTTGTTACTCCTCCAACAAC  
 ACCACAAGAAGCCACGAGTATCTACGCCAAAACCAGCAACGCCTTCAACTGATTCGTCAACTACCACA  
 CTGAAGGCCAACCAAAAAACCACGGACACCCGACCAGTGCCCGGGTCAACCAAAAGCACCGATCAC  
 CAGATTGGAGACCGCTTCCCAACCACTCGAATCCGCACTACCACAGTGCAGTGCCCGTGGGGGAGAA  
 GCTAACACAGCGGCAGAGCTTAAGAACCACATCGACAGGTTGATGCCTGGGTAGGAACCTACTTTGAGG  
 TAAAGATTCCATCAGACACCTTCTATGACAATGAGGACACCACTACGGACAAGCTCAAGCTGACCCTGAA  
 GCTGCGAGAGCAGCAGTTGGTAGGTGAGAAATCTTGGTTCAAGTTAACAGCAACAGCCAGCTCATGTAT  
 GGTCTGCCTGACAGCAGCCATGTGCGAAAACATGAGTATTTTCATGCACGCCACGGACAAGGGGCTTT  
 CTGCTGTGGATGCCTTCGAGATCCATGTTCAAGCGCCACAAGGGGACAAGCTCCCGCGGATTCAA  
 GGCCAACTTGCAGGGGATCCCGCACCTGTGGTGAACGATATCCACAAGAAGATCGCTTTGGTAAAGAAG  
 CTGGCTTTTGCCTTTGGGGATAGGAACTGCAGCTCCATCACCCCTCAGAACATCACCCGGGGCTCTATTG  
 TGGTCGAGTGGACCAACAACACTCTGCCCTGGAGCCCTGCCCAAGGAGCAGATCGTAGGGCTGAGCCG  
 CAGGATTGCTGATGAAAACGGGAAGCCTCGTCTGCCTTCTCCAATGCTCTGGAGCCTGACTTCAAGGCT  
 CTGAGTGTGCTGTGGCGGGCTCTGGCAGTTGTGGCACCTCCAATTTATCCCGTGGCACCACCTCTC  
 CTGGAACCTCAGCAGCACCGCCACAGAGGTTCCAGACAGGACCCTGAGAAGAGCAGTGAGGATGACGT  
 TTAATTGCACACAGTCACTCCAGCTGTTGTGGTTGCAGCCATCCTGCTCATTGCTGGAATCATTGCTATG  
 ATCTGCTATCGCAAGAAGAGGAAGGGCAAACCTGACCCTGGAGGACCAGGCCACCTTTATCAAGAAGGGG  
 TGCTATTATCTTTGAGATGAGCTGGATGACTCTAAGCCCCGCTCTTCCAGCATGCCGCTCATCCT  
 GCAGGAAGAGAAGGCTCCCTCCCTCCTCTGAGTACCCTAACCAAGAGTGTGCCGAGACCACTCCTCTG  
 AACCAAGACTGTGGGAGAGTACACACCCCTGCGGGATGAGGATCCTAATGCACCTCCCTACCAGCCAC  
 CCCCACCTTACAGCTCCATGGAGGGCAAGGGCTCCCGTCCCAAGAACATGACCCCATACCGATCACC  
 CCCTCCATATGTACCCCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_053697

<b>Insert Size:</b>	2682 bp
<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>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_053697.1</a></u> , <u><a href="#">NP_446149.1</a></u>
<b>RefSeq Size:</b>	5169 bp
<b>RefSeq ORF:</b>	2682 bp
<b>Locus ID:</b>	114489
<b>Cytogenetics:</b>	8q32
<b>Gene Summary:</b>	laminin-binding glycoprotein involved in linking the extracellular matrix to the actin cytoskeleton [RGD, Feb 2006]