

Product datasheet for SC120568

DAAM1 (NM_014992) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAAM1 (NM_014992) Human Untagged Clone
Tag:	Tag Free
Symbol:	DAAM1
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC120568 sequence for NM_014992 edited (data generated by NextGen Sequencing)

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ATGGCCCCAAGAAAGAGAGGTTGGACGAGGTATTTTCATTCATCTTTTGCTGTTTCCGAAAT
AATGATCACCCAGAAATCACGTATCGGCTGCGAAATGATAGCAACTTTGCGCTTCAGACC
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 ACCAACCGATGACTGACAGCAGCAGAGAGACCAATCACAAAACCTTAATTTCTAA

Clone variation with respect to NM_014992.1
 1389 a=>g

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_014992 unedited
 ATTTTGAATACGACTCACTATAGGGCGGCNCGGATTCCGGCACGAGGCCTACGAGCGGC
 TGTGAAGGAACTGTTTAAACCGATCCCATTGTACCCAGAGTGCAGAGCCGCCTTTCCAG
 CATGCAGGGGCTGCTCAGCGTTTGTGACATCAAGAAATAGAACAGAATTCAGCCATGGC
 CCCAAGAAAGAGAGGTGGACGAGGTATTTCACTCATCTTTTGTGTTTCCGAAATAATGA
 TCACCCAGAAATCACGTATCGGCTGCGAAATGATAGCAACTTTGCGCTTCAGACCATGGA
 ACCAGCATTGCCCATGCCCCCTGTGGAGGAGCTGGATGTCATGTTTCAGTGAAGTGGTGA
 TGAAGTGGACCTCACAGACAAACACAGAGAAGCCATGTTTGCCTCCAGCTGAGAAAAA
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 GCCTGAATTTACATTGATCAGCTCAATTCATGGCTGCTAGAAAATCTCTGCTGGCTTT
 AGAGAAGGAAGAAGAAGAAGAAAGTAAACTATAGAGAGTTTAAAGACAGCACTGAG
 GACAAAACCAATGAGGGTTTGTAAACAGATTTCATCGACTTGGATGGCCTATCATGTATCC
 TCAACTTTCTAAAGACCATGGACTACGAGACCTCAGAGTCTCGATACATACTTCTCTCAT
 TGGCTGTATAAAGGGCGTAATGAACAACCTCAAGGNCGGGCTCACGTNCTGGCTCATT
 TGAGAGTATTAATGGTATTTGCTCAAAGTCTGAGCACAGAGAACATTANNAACGANGGTT
 GGCCGTGCTTGGAAATCTTNGCCCGCGTGTGCTGGGTTNCCGGGGGCACAAAANAAGT
 TCTCGCAGNCCATGCTGCACTACCAAAGTATG

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014992 unedited TAGCTTTGAACCCGCGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTAGTAATC TTTATCCCTTCAAAAAATCTTCCTTTAAGTCTTGGGTGAGATATTTTATTATTTTAAGG TTTATATATCTATATTGTTAGAACCAAGCATACTCTGGCAATGTTGTTCTTTAAAAAAGC ATGGATTGCATTTATATAGTGTTTTTTTCCAAAAATCTGAAGAAATTATCAAGAGCACTT GGCAGAGATAACTTGATGAAATCAGGGGAAAAAATTGATGTCCAACCTTTAAATATACAA AAACTTGATTGACATTCTACATAATTCAAATTGTGTGCAAGATGTTCTCAATAAACATTT ACAGACTGTATCCCCACACCAATGTCAGAAATTCAAAGCTGGTCCTATTACTGATGTGAT ACATCAACATCACAATGTCAGCTATCAAAAAATCATTTTAAATCTATGTTTTTCCAACAAC TCCAGTCCATCAATGAAAATAATTTAAAGGATATCAAGCTTGGAAACCATAAAATATT TTGCAAGCTTTTTTGTGTTGTTGTTGTTTCTCTGTTTTGCCTTTGAATCAGGGAAA TGTCTCTATCTCTTTCAGGAGATAGTATTGTGCTTCTGAACAGTATGGCGTTCGGNGAA AGAAAAAGAGCCCACTCAATGTGAATGCATACACGAAAAGTTTTGNAGCACATACATTAA CATAANATCTTTTAACCATACGTTAATAGGTCTCCAGACAACACTCAGACATCTATATAC AATTTTTTAATATATACACACATACATTTACATACACAGTTCACACATTCACTCACAGA TGAAGANAAATGCCACTNTTTGAATGCCAAGNANTGTAATGAAAACCTTAGTACTTTT AAAGGCTGCTATGAGCTCTAAAAAAGAATCATGAAATNAAATAAATTTNGGAATGNCCT TCTGCTCTGAAAATTGGGGGAAACTAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_014992
Insert Size:	4600 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).
RefSeq:	NM_014992.1 , NP_055807.1
RefSeq Size:	4256 bp
RefSeq ORF:	3237 bp
Locus ID:	23002
UniProt ID:	Q9Y4D1
Domains:	FH2
Protein Pathways:	Wnt signaling pathway

Gene Summary:

Cell motility, adhesion, cytokinesis, and other functions of the cell cortex are mediated by reorganization of the actin cytoskeleton and several formin homology (FH) proteins have been associated with these processes. The protein encoded by this gene contains two FH domains and belongs to a novel FH protein subfamily implicated in cell polarity. A key regulator of cytoskeletal architecture, the small GTPase Rho, is activated during development by Wnt/Fz signaling to control cell polarity and movement. The protein encoded by this gene is thought to function as a scaffolding protein for the Wnt-induced assembly of a disheveled (Dvl)-Rho complex. This protein also promotes the nucleation and elongation of new actin filaments and regulates cell growth through the stabilization of microtubules. Alternative splicing results in multiple transcript variants encoding distinct proteins. [provided by RefSeq, Jul 2012]

Transcript Variant: This variant (1) encodes the longer isoform (1). 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.