

Product datasheet for **SC107395**

FAM116A (DENND6A) (NM_152678) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM116A (DENND6A) (NM_152678) Human Untagged Clone
Tag:	Tag Free
Symbol:	DENND6A
Synonyms:	AFI1A; FAM116A
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for NM_152678, the custom clone sequence may differ by one or more nucleotides

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ATGGCTTTGAGGGGCCCTGCGGGCTTGGGGCCCGCTCTCGAAGGCCGTTGGACGAAGCGGTGGCAGGGG
CCGAGGGCCGCGAGGCGCGGCCCTTGTGGCGGGGAGGCGGCCAGAGGACGATGAAGAGGACGATGG
CCGTGGCCGGGGCTGCTGCGCTGGGACAGCTTCCGCTGGCTGCACCTGCGTGTGTGGTGGGCTTC
GACCTGGAGCTGGGCCAGGCCGTGGAGTAATTTATCCTCAGCATTCCAACTTACTGACAGAGAAAAA
CCAATATTTGCTATTTGCTTTTCCAGATTCAAATTCAGGTTGTCTTGGAGATACCCAGTTTTGTTTAG
ATTTTCGACAGTCTTCTGGGAGGAGGTGTGCTGCATTGTCTCCTGGATCAATTTGACAAAGATTTACCA
GTTTACTTAAAGAAGGATCCTGCTTATTTTTATGGATATGTGATTTCCGACAAGTTTCGAGATAAACTC
TAAAAAGAGGCTACTTTCAGAAGTCTTGGTTTTGATCAGCAAACCTATATTCATTTTTTTCACAC
TGTGCTCAAACAGATAGCACCAGAGTATTTGAAAAGAATGAACCTTATTTGGAAGCAGCTTGAATGAT
GTTGATCGATGGCCTGCCCCAGTGCCAGGAAAACATTACACCTGCCAATCATGGGGTGGTAAATGAAGG
TACGGATTCCACATGTCATGACAAGCCTGGGACAACCTCAAATAGTGCAGTTAACTCAGCAGGTGGACAC
AAATATATCTGTTATTTTACCTACTGTTTATGAGGTGGATATTTTTCAGGTGTTTCTGCCAGTTTTCTT
CATAGTCAGATGCTCTGGGAGCTGGTGTGTTGGGGGAGCCCTTGTGGTTATGGCGCCATCACCATCGG
AATCATCAGAGACTGTATTGGCACTTGTAACTGTATTTCTCCATTAAAGTACTTCAGTGATTTCCGACC
TTATTTTCACTATTCATGATAGTGAATTCAAAGAATATACTACCCGTACCCAAGCTCCGCCCTCAGTTATA
TTAGGAGTAACCAACCCTTTTTTTGGTAAAGACTCCAGCACTGGCCACACATTATTCGAATAGGAGACC
TAAACCTACAGGTGAAATTCCTAAGCAGGTTAAAGTGAAAAAAGTGAAGAATCTAAAGACTCTGGATTC
CAAACCTGGAGTTTACTTTCATATAAGCCATATTTAAATAGAGATGAAGAGATCATAAAACAATTACAG
AAGGGTGTACAACAGAAACGCTCTTCTGAGGCTCAAAGTGTATTTCTTCGACGCTATTTTTTGGAACTGA
CACAAAGTTTTATCATTCCATTAGAAAAGATATGTGGCAAGCTTGATGCCTTTGCAGAAAAGTATTTCCCC
ATGGAAGAGTCCACCTCAATTAAGACAGTTTTCTCCAGAAGAATTTATGAAAACACTTGAGAAAACAGGA
CCTCAGCTAACCTCTAGAATAAAAGGCGATTGGATTGGACTTTACCGGCATTTCTAAAGTCTCCAAATT
TTGATGGCTGGTTAAGACCCGGAGGAAGGAAATGACCCAAAAATTTGGAGGCACTCCATCTAGAAGCTCT
TTGTGAAGAGGACTTACTTCTCTGGATCCAGAAACACACAGAAGTAGAAACAGTAGACCTTGTCTTGAAG
CTGAAAAATAAGCTGTTGCAGGCTGATCGAGAGCACTTACCTGTGAAACCTGACACTATGAAAAAGTTAC
GGACACACATAGATGCCATTATCTTAGCATTGCCAGAGGACTTGAAGGCATACTGCTCAAACGGGCAT
GACATGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152678 unedited

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GGTTTAGATTTGTAACCGACTTACTATAGGGNCGGCACGCGCAATTCGGCACGAGGGCAA
GCGCGCTCTGCGGCGCGGTCCGCTGTGGAGGCGGCGCAACGGTCAGGGGGCGGCCGATG
GCTTTGAGGGGCCCTGCGGGCTTGGGGCCCGCTCTCGAAGGCCGTTGGACGAAGCGGTG
GCAGGGGCGGAGGGCCGAGGCCGCCGGCCCTTGTGGTTGCGGGAGGCGGCCAGAGGAC
GATGAAGAGGACGATGGCCGTGGCCGGGGCCTGCTGCGCTGGGACAGCTTCTCCGCTGG
CTGCACCTGCGTGTGTGGTGGCTTCCGACCTGGAGCTGGGCCAGGCCGTGGAGGCTCAC
CTTGCCCCACTTTCATCAGTGAGCAACAATGGACCATTGATGTGGAAGGTACACCCTCATG
TTATGGAAGCAGAACTGAGGCATAGACTGGCTAATGATTTCCCAAGGACACATCTAA
TTAGGACCAAAACATGGTTTTGGTACCAGTACTGTACTTTCCATCCTTCCCCACTGCCTC
TTAAGAGTTTGAAGATGCAGAGCTGTATTCATTTATTTTTGCCCAAAGTCAAGGTAATTT
ATCCTCAGCATTCCAACTTACTGACAGAGAAAAACCAATATTTGCTATTTGCTTTTTT
CAGATTCAAATTCAGGTTGTCTTGGAGATACCCAGTTNTGTTTTAGATTTTCGACAGTCTT
CTGGGAGGAGGGTGTGCTGCATTGTCTCCTGGATCAAATTTGACAAGATTTACCAGTTT
ACTTAAAGGATCTGCTTATTTTATGGATATGTGATTTTTCGACAGTTTCGAGATAAACTC
TAAAAGAGCTACTTTCAAAGTCCNTNGNTNGATCAGCAACTACCTATATTCATTTTTTTC
ACCTGTGCTCAAACGTAGCACC
    
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Restriction Sites: NotI-NotI

ACCN:	NM_152678
Insert Size:	4700 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:	<ol style="list-style-type: none">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_152678.1 , NP_689891.1
RefSeq Size:	4689 bp
RefSeq ORF:	1827 bp
Locus ID:	201627
UniProt ID:	Q8IWF6
Cytogenetics:	3p14.3
Gene Summary:	Guanine nucleotide exchange factor (GEF) for RAB14. Component of an endocytic recycling pathway that is required for the control of ADAM10 transport, shedding of N-cadherin/CDH2 by ADAM9 or ADAM10 and regulation of cell-cell junctions. Required for RAB14 recruitment to recycling endosomes.[UniProtKB/Swiss-Prot Function]