

Product datasheet for **SC113027**

DAB1 (NM_021080) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAB1 (NM_021080) Human Untagged Clone
Tag:	Tag Free
Symbol:	DAB1
Synonyms:	SCA37
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113027 sequence for NM_021080 edited (data generated by NextGen Sequencing)

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ATGTCAACTGAGACAGAACTTCAAGTAGCTGTGAAAACCAGCGCCAAGAAAGACTCCAGA
AAGAAAGGTCAGGATCGCAGTGAAGCCACTTTGATAAAGAGGTTTAAAGGTGAAGGGTC
CGGTACAAAGCCAAATTGATCGGGATTGATGAAGTTTCCGAGCTCGGGGAGACAAGTTA
TGTC AAGATTCCATGATGAAACTCAAGGGCGTTGTTGCTGGCGCTCGTTCCAAAGGAGAA
CACAAACAGAAAATCTTTTTAACCATCTCCTTTGGAGGAATCAAAATCTTTGATGAGAAG
ACAGGGGCCCTTACGATCATCATGCTGTTTCATGAAATATCCTACATTGCAAAGGACATT
ACAGATCACCGGGCCTTTGGATATGTTTGTGGGAAGGAAGGAATCACAGATTTGTGGCC
ATAAAAACAGCCAGCGGCTGAACCTGTTATTCTGGACTTGAGAGATCTCTTCAACTC
ATTTATGAATTGAAGCAAAGAGAAGATTAGAAAAAAGGCACAAAAGGATAAGCAGTGT
GAACAAGCTGTGTACCAGACAATATTGGAAGAGGATGTTGAAGATCCTGTGTACCAGTAC
ATTGTGTTTGGAGCTGGACACGACCAATCCGTGATCCCGAAACGGAAGAAAACATTTAT
CAGGTTCCACCAGCCAAAAGAAGGAAGGTGTTTATGATGTGCCAAAAAGTCAACCTGTA
AGTGCTGTGACCAATTAGAACTTTTTGGGGACATGTCCACACCCCTGATATAACCTCT
CCCCCACTCCTGCAACTCCAGGTGATGCCTTTATCCCATCTTCATCTCAGACCCCTCCA
GCGAGTGCAGATGTGTTAGTTCTGTACCTTTCCGCACTGCTGCTGTACCTCAGGTTAC
GTTGCAATGGGCGCTGTCTCCCGTCTTCTGGGGTACAGAGCCCTCGTCCAACAGCAG
ATGGTCATGGGTGCCAGCCACCAGTCCGCTCAGGTGATGCCGGGGGCTCAGCCCATCGCA
TGGGGCCAGCCGGGTCTCTTCCGCACTCAGCAGCCCTGGCCAAGTGTGGCCGGGCAG
TTTCCGCCAGCCGCTTCATGCCACACAACTGTTATGCCTTTGCCAGTGCATGTTT
CAAGTCCCCTCACCCCTTCCACCTCCAGCAGCAGTACTCCACCAGGTCAAGT
CCACAGACCGACAAGCCAGGCAGAAAATGGGCAAGAAAACGTTTAAAGGATTTCCAGATG
GCCAGCCTCCGCCGTCCTCCCGCAAACCCAGCAGCCCTCCCTCACCTGTACTCA
GAGGCCTTCTCCAGTTACTTCAACAAAGTCGGGTGGCACAGGATACAGACGACTGTGAT
GACTTTGACATCTCCAGTTGAATTTGACCCCTGTGACTTCTACCACACCATCGACCAAC
TCACCTCAACCCAGCCCTAGACAGAGCTCTCCATCCAAATCATCTGCATCCCATGCC
AGTGATCTACCACAGATGACATCTTTGAAGAGGGCTTTGAAAGTCCAGCAAAGCGAA
GAGCAAGAAGCTCCTGATGGATCACAGGCCTCATCCAACAGTATCCATTTGGTGAGCCC
AGTGGGGAGCCAGTGGTATAATAAGTCCACAGGCCGTTAGCTAG

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Clone variation with respect to NM_021080.3

5' Read Nucleotide Sequence: >OriGene 5' read for NM_021080 unedited

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CTGTGGTTCGGCTCATAAAGCAGGCACACAAGAGGGTGTCAACCGCCGAGAGAACCAGAA
GGCAGGGAGTCCGAGATGGGGGGAGGTCTGTGCGGGCTCTGAAAGGGGCCACTGGCAC
TCAAAAAGAGTGAATGAAATGTGCAGCTCAGAGTGTATTCTGAAGGGAGGAGTCTTTC
TCTTGGAGAAGAGTCTCAATGAGCCTGGCCGAGGCCGGGATCTGTGTGAAGTGGACTA
AGGATTAAGTAGGATGTCAACTGAGACAGAACTTCAAGTAGCTGTGAAAACCAGCCCAA
GAAAGACTCCAGAAAGAAAGGTCAAGATCGCAGTGAAGCCACTTTGATAAAGAGGTTTAA
AGGTGAAGGGTNCCTGACAAAGCCAAATTGATCGGGATTGATGAAGTTTCCGAGCTC
GGGGAGACAAGTTATGTCAAGATTCCATGATGAAACTCAAGGGGCGTTGNTTGTGGCGC
CTCGTTCCAAAGGGAGAACCAAAACAGAAATCTTNTAACCATCTNCTTTTGGAGGAAT
CAAAATCTTTGATGAGAAGACAGGGGGCCCTTACGATCATCATGCCTGGTCATGAATA
TCCTACATTGCAAAGGACATTACAGATCACGGGCCTGGAATTTTNTTTGTGGAAAAGA
GGAAGGGATCCCAAATATTTGTGCATAAAACCAGCCAGCCGCGGCTGACCCTGTATNCT
GACTTTGAAAAACTCTTCACTCATTTTTGAATTGAGCCAAGGGAAGATTANAAAAAAA
GCCCAAAGGTTANCCNTGGGGACAAACTGGGACCCGATATTGAA

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_021080 unedited AAAGCTGAGAAAGTATTCATTTATTGTACTTATGTTTAGAGCTTCTTAAAAATATAGCTT TTTATCTTTCTCATCATGGGATCTGATGTCTTTTCTACTCACAGAATGAAGGTTTCGTAC TGAAAGCTGTCTTTCTTACCAGGATGCAGAATAGCTAAAGGACTGTTTTGGCAACATTC GTGATCATAATGAATAATCAACCACTTATTTGTCTTGAATTTCAAGTTAATTCATTTCA CTGAGGCTTTTTTCTCCCCAGTTAGATTTCTTACCCATATCTAAAAAAGTCAAAGC AATACAAAAATTTGTACACCTATTAATTTTCAAACATGACAAAAAAGGAAAGGGGGAA AATGGCAGACCAGGCCCATGGAGTGACAAAAACACATCATCCTATGTGAAAAGGCATA TGGATGACGATATTGTGGTCACAGAAGACCCTTTGCTTTTGCTTAAAGAAGTCAGTTCCA ACCCTGTTGTAATCCTCTGATGCCTGCTCACTCAAATTTGGTGTCTCAACAGTGGTCAAC AGGTAGAGAAATAAAAAGGGAATTAATAATTTGCACACTGAGTCATCTTATACCCAGCT ATGAGGGCTCAAATTTTGTGAGTAAGCATTGCTTGATTTCTGATTTAATGTTGGGTG GATCTTTCTACTTTTTTGTGTGCTGCCATAGATATCTGCCATTGGTTGCCAAAAATG CTTAGTCCCTCTCTGAGCGAGTTCCATTGGGCAATCATGAATTTCTTGTGGGAAGAGG TGAAAGTATACAAGAGAGCCTGTGGGATGCTGATGTCCATGCCAGTCTTGAACCCAC CAGGAGCTCGCATCCGAGCCATTTCTTAGTCTGGTGATCTGCGCGTCAGAGGCTCGGGT CCAAACCTGC
Restriction Sites:	NotI-NotI
ACCN:	NM_021080
Insert Size:	3200 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:	<u>NM_021080.3</u> , <u>NP_066566.3</u>
RefSeq Size:	2580 bp
RefSeq ORF:	1668 bp
Locus ID:	1600
UniProt ID:	<u>O75553</u>
Cytogenetics:	1p32.2
Domains:	PID

Gene Summary:

The laminar organization of multiple neuronal types in the cerebral cortex is required for normal cognitive function. In mice, the disabled-1 gene plays a central role in brain development, directing the migration of cortical neurons past previously formed neurons to reach their proper layer. This gene is similar to disabled-1, and the protein encoded by this gene is thought to be a signal transducer that interacts with protein kinase pathways to regulate neuronal positioning in the developing brain. [provided by RefSeq, Jan 2017]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Variants 1, 3, 4, 6, and 7 all encode the same 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.