

Product datasheet for SC318581

DENND5B (NM_144973) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DENND5B (NM_144973) Human Untagged Clone
Tag:	Tag Free
Symbol:	DENND5B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318581 representing NM_144973. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGAGCGGGAGCTGCGCGGCGCCCGGCCGGGCTCGGGCTCCTCCCCGGCCGCTGCCGCTTCGCGCAC
 TACTTCGTGCTGTGCGGGATCGACGCGGACAGCGGGCTGGAGCCTGACGAGCTGGCGGGCGAAAAATTT
 GACCAGAGTCCTTTGAGAAGAACATTCAAATCCAAAGTTCTCGCCCACTATCCTCAGAATATAGAATGG
 AACCTTTTGATCAAGATGCGGTGAACATGTTGTGCATGCCTAAAGGGCTATCTTCAGGACACAAACG
 GACAATAAAGACCCCACTTTCACTCATTATAATTACCAGGGAAGATGGTTCTCGCACCTATGGTTTT
 GTTCTCACTTTTATGAAGAAGTTACAAGTAAGCAAATCTGCACAGCAATGCAGACACTTTACCAGATG
 CACAACGCTGAGCATTACAGCAGTGTGTATGCTTCATCTTCCTGCAGTATGGACTCATTGGCAAGTAGT
 CTTGATGAAGGAGATACAACCTCCCTTTTGAAGTCCAGCGATACAACCTCCTATGATATTAGCAGAGAC
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 GTCATCTGCCAGAGGCCTGGGCCAGTGAACCTCCCTCTCTGATTACCCCTTCGGGAGGCATTTGAG
 CTCCTGGGATTAGAGAACCTGGTGCAGGTGTTACCTGTGTTCTTTAGAGATGCAAATCCTTCTCTAC
 TCACAAGATTATCAACGCCTGATGACTGTGGCAGAAGGCATCACCACACTTTTGTCCCATTTCAATGG
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 ATGGGCCCTTCAGTCAAAAGAAGGAACCTGACCGTTCTAACTAGAACTTCCTCAAGAGGCTAATTTGTGT
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 TTTATCCAAGAACTCTCTGAGGTTCTTGTTCATTTGGGATCCCTCCTGAGGGCAGCCTACATTGCAGT
 GAGAGTACCAGCAAACTGAAGAATATGGTTCTGAAAGACTTGGTCAATGACAAAAAGAACGGCAATGTC
 TGTACTAATAACATCAGCATGTATGAGTTACTGAAGGGCAATGAAACCATAGCCCGCTTGCAAGGCTCTG
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 TTAAGACTGCATTGTGAAGAGGCAGAACTAAGGGACTACCAGCTCAATGTACAGTCCGAGAGGCTTT
 GCTAACCGTTTTACACAGATGTTTGCAGATTACGAAGCATTTGTCAATTCAGACTGCCAGGACATGGAA
 TCCTGGCTGACCAACCGGAACAGATGCAGAACTTTGACAAAGCTTCTTTCTGTCTGACCAGCCTGAG


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CCTTACCTGCCATTTCTTTCACGCTTCATTGAAACACAGATGTTTGCCACCTTTATTGATAATAAAATT
 ATGTCTCAGTGGGAAGAGAAAGATCCTTTGCTTCGGGTCTTTGACACTCGGATTGATAAGATAAGGCTG
 TATAATGTAAGGGCACCCACCTTGCGGACATCTATATACAGAAATGCAGCACTTTAAAAGAAGCAGCC
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 CCAATCAAAAAGCTGAGCAATGCAATAATCACATCAAACCTTGATCTGTGTATCAGGAGAGCTGGGA
 GACACAGGAGTAATGCAGATTCCTCAAAAACCTCTCGAAATGACCTTTGAGTGCCAGAATTGGGGAAG
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 CAGTGTGCGACTCCACCCAGCAGAAAGTCAACCCACGCTAGGAGATTGAGCATCACTTCACTGACA
 GGAAAAACAACAACCCCAATGCTGGGCAGATACAAGAAGGAATTGGAGAAGCTGTGAACAATATTGTG
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 GTTGACAGCCCTTGAGCAAGTTTTCCACCATGGGTTCAAATCTGCCCGCATCTTTCACAAGAATGTCTTC
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 GATGTCCTTATTCAGAAATCATCTGCAAAACCTTCTGCCACTACGTAATGCTATTAATACTGCACCC
 AGGAACATTGGGAAGGATGGCAAATCCAGATTTTAGTTTGCCTTGGAACAAGGGATCGCTGCTCCCA
 CAGTGGATTCCATTGTTAGCTGAGTGTCTGCCATCACTCGAATGTATGAAGAGAGCGCTCTCTGCGA
 GACCGCATGACTGTCACTCCCTTATCCGAATTCTGCAGACCATTCAGGACTTCACCATAGTCTAGAA
 GGATCACTCATCAAAGGAGTGGATGTGTA
 ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_144973
Insert Size:	3825 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_144973.3](#)

RefSeq Size: 9409 bp

RefSeq ORF: 3825 bp

Locus ID: 160518

UniProt ID: [Q6ZUT9](#)

Cytogenetics: 12p11.21

MW: 145 kDa

Gene Summary: Guanine nucleotide exchange factor (GEF) which may activate RAB39A and/or RAB39B. Promotes the exchange of GDP to GTP, converting inactive GDP-bound Rab proteins into their active GTP-bound form.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the major isoform (1).