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Product datasheet for SC318637

DENND4B (NM_014856) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DENND4B (NM_014856) Human Untagged Clone
Tag:	Tag Free
Symbol:	DENND4B
Synonyms:	KIAA0476
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC318637 representing NM_014856.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGAGGAGCGGCCCCCCCGGCTGGTGGATTACTTCGTGGTAGCTGGGCTTGCAGGGAACGGAGCA
CCCATCCCTGAGGAAACGTGGGTTCCTGAACCCAGTGGGCCCCTGCGCCCTCCCCGGCCAGCTGAGCCC
ATCACAGATGTGGCAGTCATCGCTAGGGCACTGGGCGAGGAAGTGCCCCAGGGCTACACATGCATCCAG
GCTTCTGCTGGGGGCCACCCCTTGGAACTCAGTGCTGGACTTCTGGGTGGAACTCAACCCGTCATCTGC
TACCGCAGGGGCCGTGACAAGCCCCCCCTCGTTGAGCTGGGGGTGTTGTATGAGGGGAAGGAACGTCCC
AAGCCTGGCTTCCAAGTGCTTGACACGACACCCTACAGCCACTCAGCAAACCTGGCCCCTCCAGGCCCC
GGGCACCCCCGCACCTACCTCACTTACCGGCGGGCAGCAGAGGGGGCAGGGCTGCATGCCCTGGGCATC
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AACCTCAACCCTGGCATGTGGGGCCCAGCAGTGTACCTGTGCTATAAGGTGGGCCTGGCGAAGGCCAAC
ACGCTGGTGTACGAGGCAGAGCTGCTGGGCCGCTACCCGGAGGAGGACAATGAGGCGTTCCCGCTGCCC
GAGTCAGTGCCCGTCTTCTGCCTGCCCATGGGGGCCACTATCGAGTGCTGGCCTGCCCAGACCAAGTAC
CCCGTGCCCGTCTTCTCCACCTTTGTGCTCACGGGTGCAGCTGGTGATAAGGTGTATGGTGCCGCCCTG
CAGTTCTACGAGGCGTTCCCAAGGGCCAGGCTATCAGAGCGACAGGCACGGGCACTGGGCCTGCTGAGC
GCCGTGGAGCGGGGTCGGGCACTGGGGGGCAGAGCTGTGCGCAGCCGGCGTGCCATCGCTGTGCTGTCC
CGCTGGCCTGCCTTCCCTGCCTTCCGCGCCTTCCTCACCTTCCTTTACCGCTACTCCGTCTCAGGCCCC
CACCGCCTACCCTTGGAAGCGCACATCTCCCACTTCATTCACAACGTTCCCTTCCCTTCCCCACAGAGA
CCCCGCATCCTAGTGCAGATGTCTCCCTATGACAACTTGCTCCTCTGTCAGCCTGTATCCTCACCCCTG
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CTGGCAGATGTGCTGAGTGCCCCAGTGCCCTTCATTGTGGGTATCCACTCCAGCTACTTTGATCTGCAT
GACCCGCCTGCTGATGTCATCTGTGTAGACCTTGATACCAACACGCTCTTCCAGACTGAGGAAAAGAAG

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CTCCTCTCCCCTCGGACCCTGCCCCGCAGACCCTACAAGGTTCTGCTGGCCACACTGACAAACCTGTAC
CAGCAGCTGGACCAGACATACACTGGACCTGAGGAGGAAGCATCCCTGGAGTTCCTACTGACAGACTAC
GAGGCAGTGTGTGGCCGCAGGGCCCGGCTGGAGCGCGAAGTCCAAGGAGCCTTCCTCCGCTTCATGGCC
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CAGCTGCTGCACACACAGATGTTCTCACAGTTCATTGAGGAGTGCTCTTTTGGCTCTGCTCGCCATGCT
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GGATCCACTGCCTCCGAGAGCTCAGCCTCTCTGGGCAGTGAGTGGGACCTCTCAGAATCTTCTCTCAGC
AACCTGAGTCTTCGCCGTTCCTCAGAGCGCCTCAGTGACACCCCTGGATCCTTCCAGTCACCTTCCCTG
GAAATTCTGCTGTCCAGCTGCTCCCTGTGCCGTGCCTGTGATTCGCTGGTGTATGATGAGGAAATCATG
GCTGGCTGGGCACCTGATGACTCTAACCTCAACACAACCTGCCCCTTCTGCGCCTGCCCCTTTGTGCCC
CTGCTCAGTGTCCAGACCCTTGATTCCCGGCCCAGTGTCCCCAGCCCCAAATCTGCTGGTGCCAGTGGC
AGCAAAGATGCTCCTGTCCCTGGTGGTCCTGGCCCTGTGCTCAGTGACCGAAGGCTCTGCCTTGCTCTG
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TACCTGAGCCCCCTGGTGCTGCGTAAGGAGCTGGAGTCGCTGGTAGAGAACGAGGGCAGTGAGGTGCTG
GCGTTGCCTGAACTGCCCTCTGCCCACCCCATCATCTTCTGGAACCTTTTGTGGTATTTCCAACGGCTA
CGCCTGCCCAGTATTCTACCAGGCCTGGTGCTGGCCTCCTGTGATGGGCCTTCGCACTCCCAGGCCCCA
TCTCCTTGGCTAACCCCTGATCCAGCCTCTGTTCAGGTACGGCTGCTGTGGGATGTACTGACCCCTGAC
CCCAATAGCTGCCCACCTCTCTATGTGCTCTGGAGGGTCCACAGCCAGATCCCCCAGCGGGTGGTATGG
CCAGGCCCTGTACCTGCATCCCTTAGTTTGGCACTGTTGGAGTCAGTGCTGCGCCATGTTGGACTCAAT
GAAGTGCACAAGGCTGTGGGGCTCCTGCTGGAAACTCTAGGGCCCCCACCCACTGGCCTGCACCTGCAG
AGGGGAATCTACCGTGAGATATTATTCCTGACAATGGCTGCTCTGGGCAAGGACCACGTGGACATAGTG
GCCTTCGATAAGAAGTACAAGTCTGCCTTTAACAAGCTGGCCAGCAGCATGGGCAAGGAGGAGCTGAGG
CACCGGCGGGCGCAGATGCCCACTCCCAAGGCCATTGACTGCCGAAAATGTTTTGGAGCACCTCCAGAA
TGCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_014856

Insert Size: 4491 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_014856.2
RefSeq Size:	5688 bp
RefSeq ORF:	4491 bp
Locus ID:	9909
UniProt ID:	O75064
Cytogenetics:	1q21.3
Domains:	DENN, PPR, dDENN
MW:	163.8 kDa
Gene Summary:	Guanine nucleotide exchange factor (GEF) which may activate RAB10. Promotes the exchange of GDP to GTP, converting inactive GDP-bound Rab proteins into their active GTP-bound form. [UniProtKB/Swiss-Prot Function]