

Product datasheet for **SC308681**

DENND2B (NM_213618) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DENND2B (NM_213618) Human Untagged Clone
Tag:	Tag Free
Symbol:	DENND2B
Synonyms:	HTS1; p126; ST5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308681 representing NM_213618. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCATGACTGCCAACAGAATTCAGCATCACCCACGGAGCTGGTGGCACTAAAGCCCTCGGGGG
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CGGCACCCCCAGCTCCTCACCCAGAATCCTCAAGTCCCTCCCAGATACTTCCCACCCACCTGT
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AAGAGCCGAAGAGCAGGACGAAAATCCCAGCAACTGTCTGAGAACTCCTTGACTCTTTGCACAGGATG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
    
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- Restriction Sites:** SgfI-MluI
- Plasmid Map:** □
- ACCN:** NM_213618
- Insert Size:** 3414 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_213618.1](#)

RefSeq Size: 4371 bp

RefSeq ORF: 3414 bp

Locus ID: 6764

UniProt ID: [P78524](#)

Cytogenetics: 11p15.4

MW: 126.5 kDa

Gene Summary: This gene was identified by its ability to suppress the tumorigenicity of HeLa cells in nude mice. The protein encoded by this gene contains a C-terminal region that shares similarity with the Rab 3 family of small GTP binding proteins. This protein preferentially binds to the SH3 domain of c-Abl kinase, and acts as a regulator of MAPK1/ERK2 kinase, which may contribute to its ability to reduce the tumorigenic phenotype in cells. Three alternatively spliced transcript variants of this gene encoding distinct isoforms are identified. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (3) lacks several 5' exons but has an alternate 5' exon, as compared to variant 1. Both variants 1 and 3 encode the same isoform (1).