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Product datasheet for RG234193

DENND2D (NM_001271833) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DENND2D (NM_001271833) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DENND2D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG234193 representing NM_001271833
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATGGGCTCGGCCGCCGCCTTCGAGCCAGCCTGAGACTGAAGCGCGGCCATGGGGGACCACCCCAGG
ACAATTCAGGGGAAGCTTTAAAGGAACCAGAAAGGGCCCAGGAGCACTCTTTGCCCAACTTTGCTGGGGG
GCAGCACTTCTTTGAATACCTTCTTGTGGTTTCTCTCAAAAAGAAGCGTTCAGAGGATGATTACGAGCCT
ATAATCACCTACCAATTTCCCAAGCGGGAGAACCTGCTTCGGGGTCAGCAGGAGGAGGAGGAGCGGCTGC
TCAAAGCTATCCCCTTGTTCTGCTTCCCAGATGGGAATGAGTGGGCATCACTCACCGAGTATCCCAGGGA
GACCTTCTCCTTCGTTCTGACCAATGTGGATGGGAGCAGAAAGATTGGATACTGCAGGCGCCTCTTGCCT
GCCGGCCCTGGCCCTCGCCTTCCCAAAGTGTACTGCATCATCAGCTGCATCGGCTGCTTCGGCTTGTTCT
CCAAGATCCTGGATGAAGTGGAGAAGAGACATCAGATCTCCATGGCTGTCATCTACCCGTTCATGCAGGG
CCTCCGAGAGGCAGCCTTCCCTGCTCCTGGGAAGACTGTCACTCTCAAGAGCTTCATCCCCGACTCAGGC
ACTGAGTTCATTTCACTGACACGGCCCCTGGACTCCCACCTAGAACATGTGGATTTTAGTTCTCTATTGC
ACTGTCTCAGTTTTGAACAGATACTTCAGATCTTTGCCTCTGCCGTGCTGGAGAGAAAAATCATCTTCCT
GGCGGAAGGTCTCAGCACCTTGTCTCAGTGCATCCATGCTGCTGCCGCACTGCTCTACCCCTTCAGCTGG
GCGCACACCTACATCCCTGTTGTCCCTGAGAGCCTTCTGGCCACCGTCTGCTGCCCCACCCCCTTCATGG
TTGGAGTACAAATGCGCTTCCAGCAGGAGGTCATGGACAGCCCTATGGAAGAGGTCCTGCTGGTCAATCT
TTGTGAAGGAACCTTCTTAATGTCGGTTGGTGATGAAAAAGACATCCTGCCACCGAAGCTTCAGGATGAC
ATCTTAGACTCTCTTGGTCAGGGGATCAATGAGTTAAAGACTGCAGAACAAATCAACGAGCATGTTTCAG
GCCCCTTTGTGCAGTTCTTTGTCAAGATTGTGGGCCATTATGCTTCCTATATCAAGCGGGAGGCAAATGG
GCAAGGCCACTTCCAAGAAAGATCCTTCTGTAAGGCTCTGACCTCCAAGACCAACCGCCGATTTGTGAAG
AAGTTTGTGAAGACACAGCTCTTCTCACTTTTCATCCAGGAAGCCGAGAAGAGCAAGAATCCTCCTGCAG
GCTATTTCCAACAGAAAATACTTGAATATGAGGAACAGAAGAAACAGAAGAAACCAAGGGAAAAAACTGT
GAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

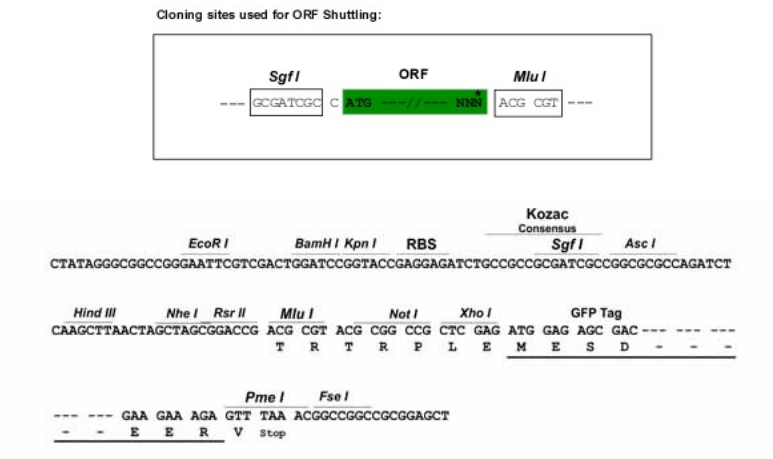
>RG234193 representing NM_001271833
Red=Cloning site Green=Tags(s)

MDGLGRRLRASLRLKRGHGGPPQDNSGEALKEPERAQEHSLPNFAGGQHFFEYLLVVSLKKKRSEDDYEP
IITYQFPKRENLLRGQQEEEERLLKAIPLFCFPDGNEWASLTEYPRETFSFVLTNVDGSRKIGYCRRLLP
AGPGPRLPKVYCIISCIGCFGLFSKILDEVEKRHQISMAVIYPFMQGLREAAFPAPGKTVTLKSFIPDSG
TEFISLTRPLDSHLEHVDFSSLLHCLSFEQILQIFASAVLERKIIFLAEGLSTLSQCIHAAAALLYPFSW
AHTYIPVVPESLLATVCCPTPFMVGVQMRFQQEVMDSPMEEVLLVNLCEGTFLMSVGDEKDILPPKLQDD
ILDSLGQGINELKTAEQINEHVSGPFVQFFVKIVGHYASYIKREANGQGHFQERSFCKALTSKTNRRFVK
KFVKTQLFSLFIQEAEKSKNPPAGYFQQKILEYEEQKKQKKPREKTVK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

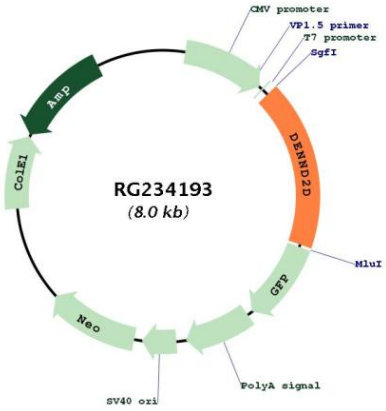
Cloning Scheme:



ACCN:	NM_001271833
ORF Size:	1404 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001271833.1, NP_001258762.1
RefSeq Size:	3228 bp
RefSeq ORF:	1407 bp
Locus ID:	79961
UniProt ID:	Q9H6A0
Cytogenetics:	1p13.3-p13.2

Gene Summary: Guanine nucleotide exchange factor (GEF) which may activate RAB9A and RAB9B. Promotes the exchange of GDP to GTP, converting inactive GDP-bound Rab proteins into their active GTP-bound form.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234193