

Product datasheet for **RG208079**

DENND4A (NM_005848) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DENND4A (NM_005848) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DENND4A
Synonyms:	IRLB; MYCPBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208079 representing NM_005848 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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ACCAACACTATTTCTCAAATTGGTGACAAGAAAAATGTAGCCTGGAAGATACTTCCAAAGAAGCCATGTA
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG208079 representing NM_005848
 Red=Cloning site Green=Tags(s)

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 ALSVQGNFDLNSKSKLQENFCTRSIQIPANRSKTAMSKCPIFPMARSISTSGPLDKEDTGRQKLISTGSL
 PATLQGATDSLGLEWHLPSDPVTPYLSPLVWKELESLENEGDHAITVADFVDHHPVFWNLVWYFR
 RLDLPSNLPGLILSSEHCNKYSKIPRHCMSEDSKYVLIQMLWDMKMLHQDPGQPLYILWNAHTQKYPMVH
 LLQKSDNSFNQELLKSMVKS IKMNDVYGPMSQILETLNKCPHFKRQRSLYREILFLSLVALGRENIDIDA
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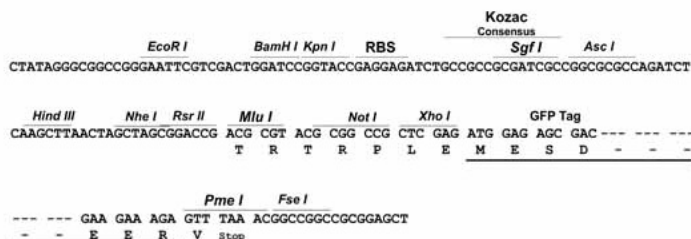
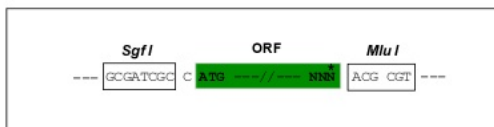
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:


ACCN: NM_005848

ORF Size: 5589 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_005848.4](#)

RefSeq Size: 7205 bp

RefSeq ORF: 5592 bp

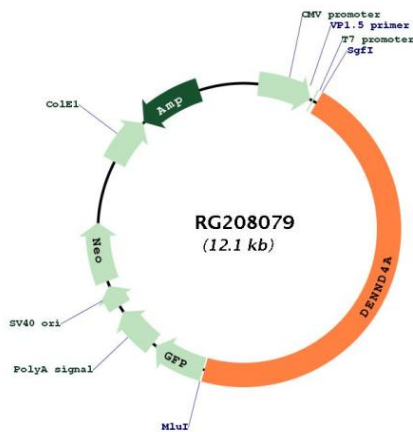
Locus ID: 10260

UniProt ID: [Q7Z401](#)

Cytogenetics: 15q22.31

Gene Summary: This gene encodes a DENN domain-containing protein that may function as a guanine nucleotide exchange factor that specifically activates ras-related protein Rab-10. This protein also contains an interferon stimulated response element-binding domain and may be involved in regulating the v-myc avian myelocytomatosis viral (MYC) oncogene. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 8. [provided by RefSeq, Mar 2016]

Product images:



Circular map for RG208079