

Product datasheet for RC226443

DOCK9 (NM_001130048) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DOCK9 (NM_001130048) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: DOCK9
Synonyms: ZIZ1; ZIZIMIN1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC226443 representing NM_001130048
Red=Cloning site Blue=ORF Green=Tags(s)

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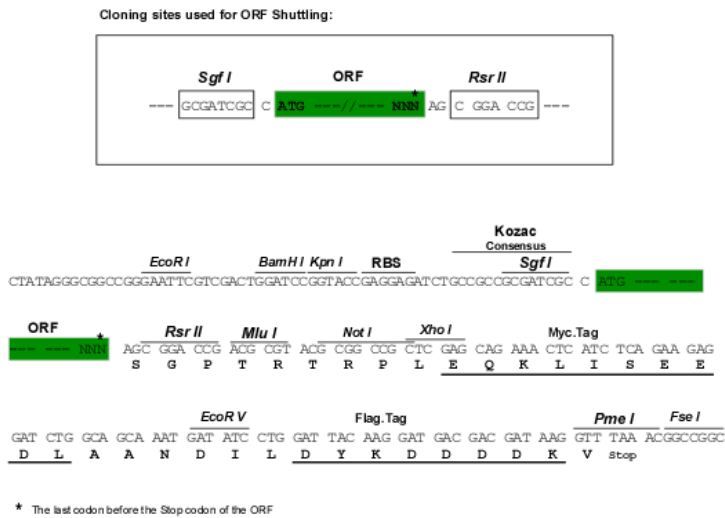
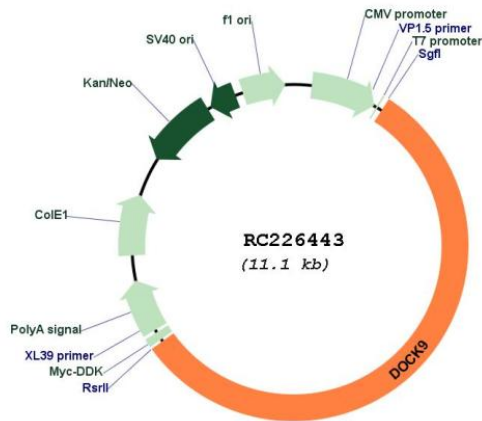
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Protein Sequence: >RC226443 representing NM_001130048
 Red=Cloning site Green=Tags(s)

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SGP TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Plasmid Map:


ACCN: NM_001130048

ORF Size: 6204 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_001130048.2](#)

RefSeq ORF: 6207 bp

Locus ID: 23348

UniProt ID: [Q9BZ29](#)

Cytogenetics: 13q32.3

MW: 236.2 kDa

Gene Summary: Guanine nucleotide-exchange factor (GEF) that activates CDC42 by exchanging bound GDP for free GTP. Overexpression induces filopodia formation.[UniProtKB/Swiss-Prot Function]