

Product datasheet for **RR206249**

B9d2 (NM_001107494) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: B9d2 (NM_001107494) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: B9d2
Synonyms: RGD1566122
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR206249 representing NM_001107494
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCCGAAGTGCACGTGATCGGGCAGATCATAGGGGCCACGGGTTTCTCTGAAGGTAGCCTCTTCTGCA
AGTGGGGCATCCACACAGGGGCCGATGGAAGCTCCTGTCAGGCGTCCGGGAAGGCCAGACGCAGGTAGA
CACACCCAGACAGGGGACATGGCTTACTGGTCCCACCCATTGACCTGCACTTTGCTACAAAAGGTCTC
CAAGTTGGCCTCGACTTCATCTCCAGGTGTGGTCCCAGGACAGCTTTGGCCGCTGCCAGCTTGCTGGCT
ATGGCTTTTGCCATGTGCCTAGCAGCCAGGCACTCACCAGCTGGACTGCCCTACATGGAGGCCCTGGG
TAGTTGGAGGGAGCAGCTAGCACGGGCTTCGTGGGTGGCGGGCCACAGCTGCTGCACGCAGACACCATC
TACAGCGGGGCCGACCGTACCGCTGCACACGGCCGCGGTGGCACAGTGCACCTTGGTATCGGTCTGC
TGCTGCGCCACTTTGATCGCTACGGTGTGGAGTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206249 representing NM_001107494
Red=Cloning site Green=Tags(s)

MAEVHVIGQIIGATGFSEGSFCKWGIHTGAAWKLLSGVREGQTQVDPQTGDMAYWSPIDLHFATKGL
 QGWPRHLQVWSQDSFGRCQLAGYGFCHVPSPGTHQLDCPTWRPLGSWREQLARAFVGGGPQLLHADTI
 YSGADRYRLHTAAGGTVHLGIGLLLRHFDYRGVEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:



ACCN: NM_001107494

ORF Size: 525 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_001107494.1](#), [NP_001100964.1](#)

RefSeq Size: 1037 bp

RefSeq ORF: 528 bp

Locus ID: 308443

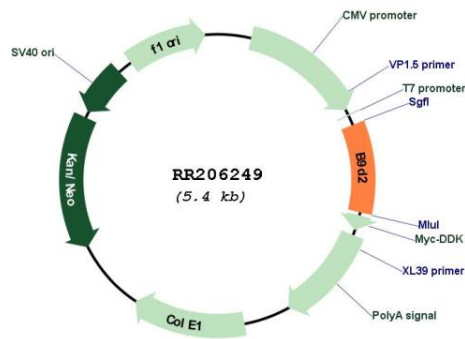
UniProt ID: [P0C5J3](#)

Cytogenetics: 1q21

MW: 19.2 kDa

Gene Summary: Component of the tectonic-like complex, a complex localized at the transition zone of primary cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR206249