

Product datasheet for RC213073

B9D1 (NM_015681) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: B9D1 (NM_015681) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: B9D1
Synonyms: B9; EPPB9; JBTS27; MKS9; MKSR-1; MKSR1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC213073 representing NM_015681
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGACCGGAGTCTAGCGTCTTTCTACTCATGGTCAACGGGCAGGTGGAGAGCGCCCAGTTCCAG
 AGTATGATGACCTCTACTGCAAGTACTGCTTTGTGTACGGCCAGGACTGGGCCCCACAGCGGTCTGGA
 GGAGGGGATCTCACAGATCACATCCAAGAGCCAAGATGTGCGGCAAGCACTGGTGTGGAACCTCCCCATT
 GATGTCACCTTTAAAAGCACCAACCCCTACGGCTGGCCACAGATCGTGTCTCAGCGTGTATGGACCAGATG
 TGTTCCGGAACGATGTGGTTCGAGGCTATGGGGCCGTGCACGTGCCCTTCTCACCTGGCCGGCACAAAAG
 GACCATCCCCATGTTTGTCCAGAATCTACGTCTAACTGCAGAAGTTTACAAGCTGGTTTATGGGGCGG
 CGGCCCGAGTACACAGACCCCAAGGTGGTGGCTCAGGGTGAAGGCCGGGAAGTGACCCGTGTCCGTTCTC
 AGGGCTTTGTACCCTCCTCTTCAACGTGGTGACCAAGGACATGAGGAACTGGGCTATGACACTGGGCC
 TTCTGATACACAGGGTGTGTTGGGGCCAGCCACCCAGAGCTTCCCCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC213073 representing NM_015681
 Red=Cloning site Green=Tags(s)

MATASPSVFLLMVNGQVESAQFPEYDDL YCKYCFVYQDWAPTAGLEEGISQITSKSDVQRALVWNFPI
 DVTFKSTNPYGPQIVLSVYGPVDFGNDVVRGYGAVHVPFSPGRHKRTIPMFVPESTSKLQKFTSWFMGR
 RPEYTDPKVVAQEGRETRVRSQGFVTLFLFNVVTKDMRKLGYDTGPSDTQGVLPSPQSFQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015681

ORF Size: 612 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_015681.5](#)

RefSeq Size: 945 bp

RefSeq ORF: 615 bp

Locus ID: 27077

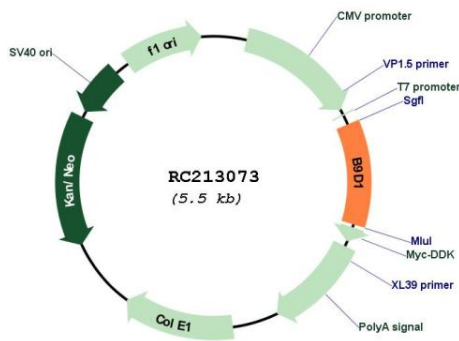
UniProt ID: [Q9UPM9](#)

Cytogenetics: 17p11.2

MW: 22.6 kDa

Gene Summary: This gene encodes a B9 domain-containing protein, one of several that are involved in ciliogenesis. Alterations in expression of this gene have been found in a family with Meckel syndrome. Meckel syndrome has been associated with at least six different genes. This gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Mar 2016]

Product images:



Circular map for RC213073