

Product datasheet for **RG200762**

B9D2 (NM_030578) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	B9D2
Synonyms:	ICIS-1; JBTS34; MKS10; MKSR-2; MKSR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG200762 representing NM_030578
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAGGTGCACGTGATCGGGCAGATCATGGGGGCCAGCGGTTTCTCGGAAAGTAGCCTCTTCTGCA
AGTGGGGCATTACACAGGGGCGGCATGGAAGCTCCTGTGAGGCGTGCGGGAGGGCCAAACGCAAGTGA
CACCCCGCAGATAGGGGACATGGCTTACTGGTCCCACCCATCGACCTGCACTTCGCCACCAAGGTCTT
CAAGGCTGGCCCCGGCTCCATTTCCAGGTGTGGTCCCAGGACAGCTTTGGCCGCTGCCAGCTTGCAGGCT
ATGGATTTTGCCATGTGCCAGTAGCCCGGGCACCCACAGCTGGCCTGCCCCACGTGGCGGCCCTGGG
CAGTTGGCGAGAAGTGGCACGGGCTTTCGTGGGTGGTGGGCCGACAGCTGCTGCATGGGGACACCATC
TACAGTGGGGCCGACCGCTATCGCCTGCACACAGCTGCTGGTGGCACCGTGCACCTGGAGATCGGCCTGC
TGCTCCGCAACTTCGACCGCTACGGCGTGGAGTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200762 representing NM_030578
Red=Cloning site Green=Tags(s)

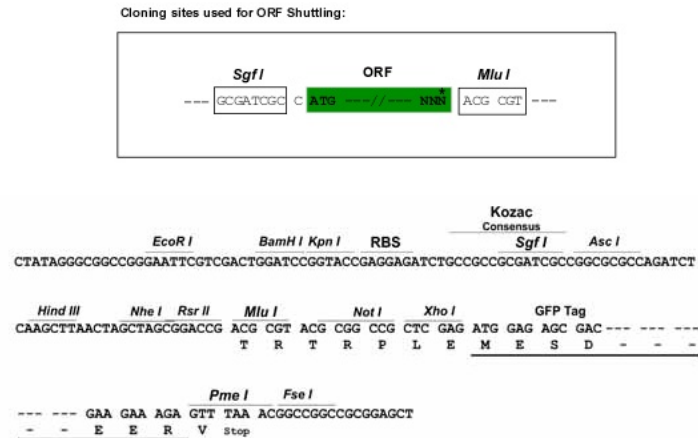
MAEVHIVGQIMGASGFSESSLFCKWGIHTGAAWKLLSGVREGQTQVDPQIGDMAYWSHPIDLHFATKGL
QGWPRLHFQWSQDSFGRCQLAGYGFCHVPSSPGTHQLACPTWRPLGSWREQLARAFVGGGPQLLHGDTI
YSGADRYRLHTAAGGTVHLEIGLLLRNFDYRVEG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_030578

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_030578.2](#), [NP_085055.1](#)

RefSeq Size: 1013 bp
 RefSeq ORF: 528 bp
 Locus ID: 80776
 UniProt ID: [Q9BPU9](#)
 Cytogenetics: 19q13.2

Gene Summary: This gene encodes a B9 domain protein, which are exclusively found in ciliated organisms. The gene is upregulated during mucociliary differentiation, and the encoded protein localizes to basal bodies and cilia. Disrupting expression of this gene results in ciliogenesis defects.
 [provided by RefSeq, Oct 2009]

Product images:



Circular map for RG200762