

Product datasheet for **MR201181**

Diablo (BC024780) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Diablo (BC024780) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Diablo
Synonyms: 0610041G12Rik; 1700006L01Rik; AU040403; Smac
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR201181 representing BC024780
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGCTCTGAGAAGTTGGGTGACTCGGAGCGTCTGCTCTCTGTTTCAGGTACAGACAGCGTTTTCTCTG
TCTTGGCTAACTCTAAGAAACGCTGTTTCTCAGAAATTGATAAAACCATGGCACAAAACCTGTGTTGACTGG
ATTTGGCATGACTGTGTGCGGTTCTATTGCTCAGAAATCGGAGCCTCAGTCTCTCAGTAACGAAGCA
TTGATGAGGAGGGCTGTGCTTTGGTAACAGATAGCACCTCTACCTTTCTGTCTCAAACCACTACGCGC
TGATTGAAGCAATCACCGAGTATACTAAGGCTGTTTACACGTTAGTGTCTCTGTACCGACAATATACAAG
TTTACTTGGGAAGATGAATCCAGGAGGAAGATGAGGTGTGGCAGGTAATTATAGGAGCCAGAGTTGAG
GTGAGTGAACCTGTTAGTCATTTCCATATTAGTGGGCTTCATTATGGCATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201181 representing BC024780
Red=Cloning site Green=Tags(s)

MAALRSWVTRSVCSLFRYRQFPVLANSKKRCFSELIKPWHKTVLTGFGMTLCAVPIAQKSEPQSL SNEA
LMRRAVSLVTDSTSTFLSQTTYALIEAITEYTKAVYTLVSLYRQYTSLLGKMNSQEEDVWQVIIGARVE
VSEPVSHFHISGLHYGI

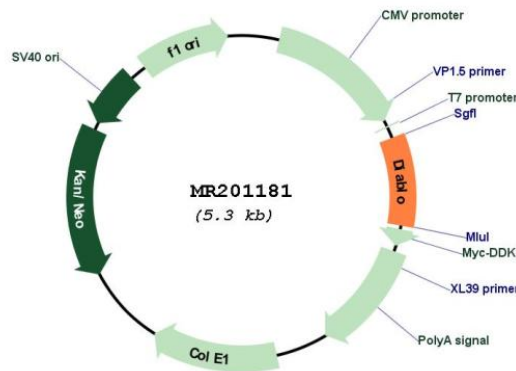
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: BC024780

ORF Size: 471 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.

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| 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: | <ol style="list-style-type: none">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: | <u>BC024780.1</u> |
| RefSeq Size: | 2585 bp |
| RefSeq ORF: | 473 bp |
| Locus ID: | 66593 |
| Cytogenetics: | 5 F |
| MW: | 94.7 kDa |
| Gene Summary: | Promotes apoptosis by activating caspases in the cytochrome c/Apaf-1/caspase-9 pathway. Acts by opposing the inhibitory activity of inhibitor of apoptosis proteins (IAP). Inhibits the activity of BIRC6/bruce by inhibiting its binding to caspases (By similarity).[UniProtKB/Swiss-Prot Function] |