

Product datasheet for **MR202899**

Diablo (NM_023232) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Diablo (NM_023232) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Diablo
Synonyms:	0610041G12Rik; 1700006L01Rik; AU040403; Smac
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202899 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTCTGAGAAGTTGGGTGACTCGGAGCGTCTGCTCTCTGTTTCAGGTACAGACAGCGTTTTCTG
TCTTGGCTAACTTAAGAAACGCTGTTTCTCAGAATTGATAAAACCATGGCACAAAAGTGTGTGACTGG
ATTTGGCATGACTGTGTGCGTTCTATTGCTCAGAAATCGGAGCCTCAGTCTCTCAGTAACGAAGCA
TTGACGAGGAGGGCTGTGTCTTTGGTAACAGATAGCACCTCTACCTTTCTGTCTCAAACACCTACGCGC
TGATTGAAGCAATCACCGAGTATACTAAGGCTGTTTACACGTTAGTGTCTCTGTACCGACAATATAAAG
TTTACTTGGGAAGATGAATTCAGGAGGAAGATGAGGTGTGGCAGGTAATTATAGGAGCCAGAGTTGAG
ATGACTTCAAAACAGCAGGAATATTTGAAGTTGGAGACCACTTGATGACAGCGGTTGGCCTTTTCAGAGA
TGGCTGCTGAGGCTGCCTATCAAAGTGGAGCAGATCAGGCCTCCATAACTGCCAGGAATCACATCCAGTT
GGTGAAGTACAGGTACAGGAGGTGCGCCAGCTCTCCAGAAGGCAGAAACCAAGTTGGCTGAAGCACAG
ACAAAAGAGCTGCACCAGAAAGCACAGGAAGTGAGTGATGAGGGGGCTGACCAGGAAGAGGAGGCCTACC
TGCCTGAAGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202899 protein sequence
Red=Cloning site Green=Tags(s)

MAALRSWVTRSVCSLFRYRQRFVPLANSKKRCFSELIKPWHKTVLTGFGMTLCAVPIAQKSEPQSLSNEA
 LTRRAVSLVTDSTSTFLSQTTYALIEAITEYTKAVYTLVSLYRQYTSLLGKMNSQEEDVWQVIIGARVE
 MTSKQQEYLKLETTWMTAVGLSEMAAEAYQTGADQASITARNHIQLVKSQVQEVRLSQKAETKLAEAQ
 TKELHQKAQEVSDGADQEEEEAYLRED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_023232

ORF Size: 714 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_023232.2](#)

RefSeq Size: 1939 bp

RefSeq ORF: 714 bp

Locus ID: 66593

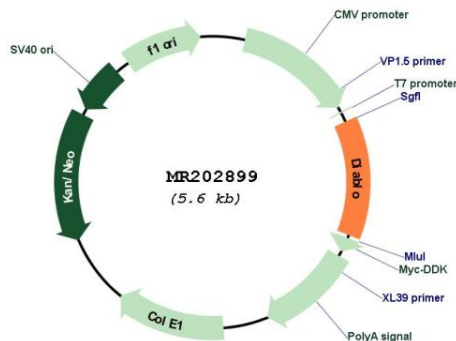
UniProt ID: [Q9JIQ3](#)

Cytogenetics: 5 F

MW: 26.8 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]

Product images:



Circular map for MR202899