

Product datasheet for **RG236382**

DIABLO (NM_001278304) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DIABLO (NM_001278304) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DIABLO
Synonyms: DFNA64; SMAC
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236382 representing NM_001278304.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAATCTGACTTCTACTTCCAGAAATCAGAGCCTCATTCCCTTAGTAGTGAAGCATTGATGAGGAGA
GCAGTGTCTTTGGTAACAGATAGCACCTCTACCTTTCTCTCAGACCACATATGCGTTGATTGAAGCT
ATTACTGAATATACTAAGGCTGTTTATACCTTAACTTCTCTTTACCGACAATATACAAGTTTACTTGGG
AAAATGAATTCAGAGGAGGAAGATGAAGTGTGGCAGGTGATCATAGGAGCCAGAGCTGAGATGACTTCA
AAACACCAAGAGTACTTGAAGCTGGAACCACTTGGATGACTGCAGTTGGTCTTTAGAGATGCCAGCA
GAAGCTGCATATCAAACGGCGCAGATCAGGCCTCTATAACCGCCAGGAATCACATTCAGCTGGTGAAA
CTGCAGGTGGAAGAGGTGCACCAGCTCTCCCGAAAGCAGAAACCAAGCTGGCAGAAAGCAGATAGAA
GAGCTCCGTCAGAAAACAGAGGAGGAGGGGAGGAGCGGGCTGAGTCGGAGCAGGAGGCCTACCTGCGT
GAGGAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236382
Blue=ORF Red=Cloning site Green=Tag(s)

```
MKSDFYFQKSEPHSLSSEALMRRVSLVTDSTSTFLSQTTYALIEAITEYTKAVYTLTSLYRQYTSLLG
KMNSEEEDEVWQVIIGARAEMTSKHQEYLKLETTWMTAVGLSEMAEAAAYQTGADQASITARNHIQLVK
LQVEEVHQLSRKAETKLAEQIEELRQKTQEEGEERAESEQEAYLRED
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSPGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVDSHMHFKSAIHP SILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_001278304

ORF Size: 558 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).

RefSeq: [NM_001278304.2](#)

RefSeq Size: 2483 bp

RefSeq ORF: 561 bp

Locus ID: 56616

UniProt ID: [Q9NR28](#)

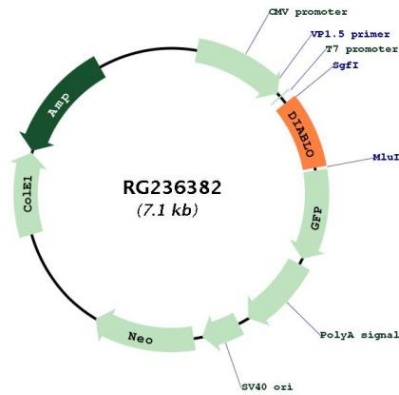
Cytogenetics: 12q24.31

Protein Families: Transmembrane

MW: 21.2 kDa

Gene Summary:

This gene encodes an inhibitor of apoptosis protein (IAP)-binding protein. The encoded mitochondrial protein enters the cytosol when cells undergo apoptosis, and allows activation of caspases by binding to inhibitor of apoptosis proteins. Overexpression of the encoded protein sensitizes tumor cells to apoptosis. A mutation in this gene is associated with young-adult onset of nonsyndromic deafness-64. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013]

Product images:


Circular map for RG236382