

Product datasheet for **SC110579**

DIABLO (NM_019887) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DIABLO (NM_019887) Human Untagged Clone
Tag:	Tag Free
Symbol:	DIABLO
Synonyms:	DFNA64; SMAC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110579 sequence for NM_019887 edited (data generated by NextGen Sequencing)

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ATGGCGGCTCTGAAGAGTTGGCTGTCGCGCAGCGTAACCTCATTCTTCAGGTACAGACAG
TGTTTGTGTGTTCTGTTGTGGCTAACTTTAAGAAGCGGTGTTTCTCAGAATTGATAAGA
CCATGGCACAAAAGTGTGACGATTGGCTTTGGAGTAACCCTGTGTGCGGTTCTATTGCA
CAGAAATCAGAGCCTCATTCCCTTAGTAGTGAAGCATTGATGAGGAGAGCAGTGTCTTTG
GTAACAGATAGCACCTCTACCTTTCTCTCTCAGACCACATATGCGTTGATTGAAGCTATT
ACTGAATATACTAAGGCTGTTTATACCTTAACTTCTCTTTACCGACAATATACAAGTTTA
CTTGGGAAAATGAATTCAGAGGAGGAAGATGAAGTGTGGCAGGTGATCATAGGAGCCAGA
GCTGAGATGACTTCAAAACACCAAGAGTACTTGAAGCTGGAACCACTTGGATGACTGCA
GTTGGTCTTTAGAGATGGCAGCAGAAGCTGCATATCAAAGTGGCGCAGATCAGGCCTCT
ATAACCGCCAGGAATCACATTCAGCTGGTAAAAGTGCAGGTGGAAGAGGTGCACAGCTC
TCCCGAAAAGCAGAAACCAAGCTGGCAGAAGCACAGATAGAAGAGCTCCGTCAGAAAACA
CAGGAGGAAGGGGAGGAGCGGGCTGAGTCGGAGCAGGAGGCCTACCTGCGTGAGGATTGA
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Clone variation with respect to NM_019887.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_019887 unedited TTGTAATACGACTCACTTATAGGGCGGCCGCGATTTCGGCACGAGGCTGGCGTCCGCGCGC TGCACAATGGCGGCTCTGAAGAGTTGGCTGTCCGCGCAGCGTAACTTCATTCTTCAGGTAC AGACAGTGTGGTGTCTCTGTGGCTAACTTTAAGAAGCGGTGTTCTCAGAATTG ATAAGACCATGGCACAAAACGTGACGATTGGCTTTGGAGTAACCCTGTGTGCGGTTCT ATTGCACAGAAAATCAGAGCCTCATTCCCTTAGTAGTGAAGCATTGATGAGGAGAGCAGTG TCTTTGGTAACAGATAGCACCTACCTTCTCTCAGACCACATATGCGTTGATTGAA GCTATTACTGAATATACTAAGGCTGTTTATACCTTAACCTCTTTACCGACAATATACA AGTTTACTTGGGAAAATGAATTCAGAGGAGGAAGATGAAGTGTGGCAGGTGATCATAGGA GCCAGAGCTGAGATGACTTCAAACACCAAGAGTACTTGAAGCTGGAAACCACTTGGATG ACTGCAGTTGGTCTTTCAGAGATGGCAGCAGAAGCTGCATATCAAATGGCGCAGATCAG GCCTCTATTACCGCCAGGAATCACATTCAGCTGGTGAACCTGCAGGTGGAAGAGGTGCAC CAGCTCTCCCGNAAAGCAGAAACCAAGCTGGCAGAAGCACAGATAGAAGAGCTCCGTCA GAAAACACCAGANGAAGGGGAGNGAGCGGCTGANTCNNGAGCAGAGCCTACCTGCGTGAG GATTGAGGNCCTGACACACTGCCCTGTCTCCCACTCANTGNGAAAGCAGGGCAAATGCCA CCTGCCAGGGTTGCATGACTGTCTGNGCACCGANAAAAGCNGGAGATCCTGCCTTGNNC ATCAGCCAGACGCCTTTTGGAGCTGGGAGTGCCTCC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_019887 unedited CTGACTTAAGCGTGTCAAAAAGACTCCTCTCTGACCCAGTAGGCAAATGCTTTGGG TGTGAGGTAATAAAGAGTGGTAAAGAGCAGCTGTACAGAGTGGGGTAAATGTTAAACAGG GTGCAGTGCCCAAGGGCTAATAACCAGGTCCAGCGCAAGCCTGATACCACAGGAGGCACT CACAGCTCACAAGGGCTCTCGCTGATTGGCCATGGCAGGATCTGCCGCCTCTTCTCGG TGCACATACAGTCATGCCAACCTGGGCAGGGTGGCATCTGCCCTGCTTTCCCACTGA GTGGGGAGACAGGGCAGTGTGCTCAGGCCCTCAATCCTCACGCATGTAGGCCTCCTGCTC CGACTCAGCCCGCTCCTCCCTTCTCCTGTGTTTTCTGACGGAGCTCTTCTATCTGTGC TTCTGCCAGCTTGGTTTCTGCTTCCGGGAGAGCTGGTGCACCTTCCACCTGCAGTTT CACCAGCTGAATGTGATTCCTGGCGTTATAGAGGCTGATCTGCGCCAGTTTGTATATGC AGCTTCTGCTGCCATCTCTGAAAGACCAACTGCAGTCATCCAAGTGGTTCCAGCTTCAA GTACTCTTGGTGTGTTTGAAGTCATCTCAGCTCTGGCTCCTATGATCACCTGCCACACTTC ATCTTCTCCTCTGAATTCATTTTCCCAAGTAACTTGTATTGCGGGCAAGAAGATG TAAAGATTAACAGCCCTAGTTATTCAGAATAGCTCAAATAACCCATTTGTGGCCCGATAT ATAAAGTAAAGGGCCTTTTGTACCAAAGACCTGNCTCCCTATAAATGCTTAACTACTA AGGGAATGAAGGCTTGAATTTTGCCATAGGAACCGACCCAAGGTTACTCCAAAACATTC TTCACATTTTGGCTGGGCTTATAATTTGAAAACACCCCTTCTATTTACCCCAACAGAA ACCAAATCCGGTGTGACCGAGATGAT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_019887
Insert Size:	1200 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_019887.3](#), [NP_063940.1](#)

RefSeq Size: 1498 bp

RefSeq ORF: 720 bp

Locus ID: 56616

UniProt ID: [Q9NR28](#)

Cytogenetics: 12q24.31

Protein Families: Transmembrane

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]
Transcript Variant: This variant (1) encodes the longest isoform (1, also known as Smac-alpha).