

Recombinant Human DIABLO

Cat. No. DIABLO-30927TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human Smac / Diablo produced in <i>Saccharomyces cerevisiae</i> ; amino acids 1-239; 239 amino acids, 27.1kDa protein with 25 kDa proprietary tag.
Species	Human
ProteinLength	1-239 a.a.
Description	This gene encodes an inhibitor of apoptosis protein (IAP)-binding protein. The encoded mitochondrial protein enters the cytosol when cells undergo apoptosis, and it moderates the caspase inhibition of IAPs. Multiple polyadenylation sites have been found for this gene. Four alternatively spliced transcript variants have been described for this gene, with two of them encoding different isoforms and the other two probably not encoding a protein.
Tissue specificity	Ubiquitously expressed with highest expression in testis. Expression is also high in heart, liver, kidney, spleen, prostate and ovary. Low in brain, lung, thymus and peripheral blood leukocytes.
Form	Liquid
Purity	Immunogen affinity purified
Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MAALKSWLSR SVTSFFRYRQ CLCVPVVANF KKRCFSELIR PWHKTVTIGF GVTLCAPVIAQKSEPHSLSS EALMRRVAVSL VTDSTSTFLS QTTYALIEAI TEYTKAVYTL TSLYRQYTSL LGKMNSEED EVWQVIIGAR AEMTSKHQEY LKLETTWMTA VGLSEMAAEA AYQTGADQAS ITARNHIQLV KLQVEEVHQL SRKAETKLAE AQIEELRQKT QEEGEERAES EQEAYLRED
Full Length	Full L.

GENE INFORMATION

Gene Name	DIABLO diablo, IAP-binding mitochondrial protein [Homo sapiens]
Official Symbol	DIABLO
Synonyms	DIABLO; diablo, IAP-binding mitochondrial protein; diablo homolog, mitochondrial; DFNA64; DIABLO S; FLJ10537; FLJ25049; second mitochondria derived activator of caspase; SMAC;
Gene ID	56616
mRNA Refseq	NM_019887
Protein Refseq	NP_063940
MIM	605219
Uniprot ID	Q9NR28

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Chromosome Location	12q24.31
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic factor-mediated response, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Intrinsic Pathway for Apoptosis, organism-specific biosystem;
Function	protein binding;

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