

## Recombinant Human DIABLO, T7 -tagged

**Cat. No.** DIABLO-30928TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human Smac / Diablo fused to a T7 tag at the N terminal; 199 amino acids, MWt 22 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Conjugation</b>	T7
<b>Tissue specificity</b>	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.
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 20mM Tris, pH 7.5

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<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequences of amino acids</b>	MASMTGGQQM GRGSMAPVIA QKSEPHSLSS EALMRRVSL VTDSTSTFLS QTTYALIEAI TEYTKAVYTL TSLYRQYTSL LGKMNSEED EVWQVIIGAR AEMTSKHQEY LKLETTWMTA VGLSEMAAEA AYQTGADQAS ITARNHIQLV KLQVEEVHQL SRKAETKLAE AQIEELRQKT QEEGEERAES EQEAYLRED
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	DIABLO diablo, IAP-binding mitochondrial protein [ Homo sapiens ]
<b>Official Symbol</b>	DIABLO
<b>Synonyms</b>	DIABLO; diablo, IAP-binding mitochondrial protein; diablo homolog, mitochondrial; DFNA64; DIABLO S; FLJ10537; FLJ25049; second mitochondria derived activator of caspase; SMAC;
<b>Gene ID</b>	56616
<b>mRNA Refseq</b>	NM_019887
<b>Protein Refseq</b>	NP_063940
<b>MIM</b>	605219
<b>Uniprot ID</b>	Q9NR28
<b>Chromosome</b>	12q24.31

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**Location****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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