

Recombinant Human DIABLO, His-tagged

Cat. No. DIABLO-30929TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Smac / Diablo with a 6x His and a proprietary tag; 485 amino acids including tag, Predicted MWt 56.1 kDa .
Species	Human
Source	E.coli
ProteinLength	239 amino acids
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.
Conjugation	HIS
Molecular Weight	56.100kDa inclusive of tags
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

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Purity	>90% by SDS-PAGE
Storage buffer	pH: 7.40Constituent:99% PBS
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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
Chromosome Location	12q24.31
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic factor-mediated response, organism-specific biosystem; Caspase cascade

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in apoptosis, organism-specific biosystem; Intrinsic Pathway for Apoptosis, organism-specific biosystem;

Function

protein binding;

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