

## Recombinant Human DIABLO Protein, GST-tagged

Cat. No. DIABLO-2619H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human DIABLO full-length ORF (BAG50903.1, 1 a.a. - 186 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>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.</p> <p>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]</p>
<b>Molecular Mass</b>	47.6 kDa
<b>AA Sequence</b>	<p>MKSDFYFQKSEPHLSLSEALMRRVSLVTDSTSTFLSQTTYALIEAITEYTKAVYTLT            SLYRQYTSLLGKMNSEEEDEVWQVIIGARAEMTSKHQEYLLKLETTWMTAVGLSEMA            AEAAYQTGADQASITARNHIQLVKLQVEEVHQLSRKAETKLAEAQIEELRQKTQEEG            EERAESEQEAYLRED</p>
<b>Applications</b>	<p>Enzyme-linked Immunoabsorbent Assay</p> <p>Western Blot (Recombinant protein)</p> <p>Antibody Production</p>

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**Protein Array**

<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**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; 0610041G12Rik; mitochondrial Smac protein; direct IAP-binding protein with low pI; second mitochondria-derived activator of caspase; SMAC3; DIABLO-S;
<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

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