# Recombinant Human BH3 Interacting Domain Death Agonist,GST-tagged

**Cat. No.** BID-1437H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant full-length human BID was expressed by baculovirus in*Sf9 insect cells*using an N-terminal GST tag. MW = 52kDa. |
| **Species** | Human |
| **Source** | Sf9 Cells |
| **Description** | BID is a BH3 interacting death domain that heterodimerizes with either agonist BAX or antagonist BCL2. BID is a member of the BCL-2 family of cell death regulators and is a mediator of mitochondrial damage induced by caspase-8 (CASP8). BID initiates apoptosis by binding to regulatory sites on prosurvival BCL2 proteins to directly neutralize their function. Multiple alternatively spliced transcript variants of BID have been found, but the full-length nature of some variants has not been defined. BID together with Cathepsins play an important role in the actions of Camptothecin on breast cancer cells. |
| **Sequence** | Full-length. |
| **Applications** | Western Blot. |
| **Storage And Stability** | Store product at -70℃. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |

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## GENE INFORMATION

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| **Gene Name** | BID BH3 interacting domain death agonist [ Homo sapiens ] |
| **Synonyms** | BID; BH3 interacting domain death agonist; FP497; MGC15319; MGC42355; p22 BID |
| **Gene ID** | 637 |
| **mRNA Refseq** | NM_00119 |
| **Protein Refseq** | NP_001187 |
| **MIM** | 601997 |
| **UniProt ID** | P55957 |
| **Chromosome Location** | 22q11.2 |
| **Pathway** | Alzheimer"s disease; Amyotrophic lateral sclerosis (ALS); Apoptosis; Natural killer cell mediated cytotoxicity; Pathways in cancer; p53 signaling pathway; Apoptosis |
| **Function** | death receptor binding; protein binding |

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