

Recombinant Human BID, GST-tagged

Cat. No. BID-6977H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human BID was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
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.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~52kDa
Purity	>85%

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Applications	Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.2 µg/µl
GENE INFORMATION	
Gene Name	BID BH3 interacting domain death agonist [Homo sapiens]
Official Symbol	BID
Synonyms	BID; BH3 interacting domain death agonist; BH3-interacting domain death agonist; p22 BID; BID isoform Si6; BID isoform L(2); BID isoform ES(1b); desmocollin type 4; apoptotic death agonist; Human BID coding sequence; FP497; MGC15319; MGC42355;
Gene ID	637
mRNA Refseq	NM_001196
Protein Refseq	NP_001187
MIM	601997
UniProt ID	P55957
Chromosome Location	22q11.2

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Pathway

Activation and oligomerization of BAK protein, organism-specific biosystem; Activation of BAD and translocation to mitochondria, organism-specific biosystem; Activation of BH3-only proteins, organism-specific biosystem; Activation, myristoylation of BID and translocation to mitochondria, organism-specific biosystem; Activation, translocation and oligomerization of BAX, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem;

Function

death receptor binding; protein binding; ubiquitin protein ligase binding;

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