

## 32-3331: mBID Recombinant Protein

**Alternative Name :** BH3-interacting domain death agonist,p22 BID,BID,FP497,MGC15319,MGC42355.

### Description

Source : Escherichia Coli. BID Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 1-195 amino acids and having a molecular mass of 22 kDa. BID is a pro-apoptotic Bcl-2 protein having only the BH3 domain. In reaction to apoptotic signaling, BID interacts with another Bcl-2 family of cell death regulators, called Bax, they form a heterodimer resulting to the insertion of Bax into the outer mitochondrial membrane. Bax induces the opening of the mitochondrial voltage-dependent anion channel which lead to the release of cytochrome c and other pro-apoptotic factors from the mitochondria resulting in activation of caspases. BID is a mediator of mitochondrial damage induced by caspase-8 (CASP8). CASP8 cleaves BID, and the COOH-terminal part translocates to mitochondria where it triggers cytochrome c release. The major proteolytic product p15 BID releasea cytochrome c. Isoform 1, Isoform 2 and Isoform 4 induce ice-like proteases and apoptosis while Isoform 3 does not induce apoptosis.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	The Mouse BID protein solution contains 10mM Tris-HCL pH-8, 1mM EDTA and 250mM NaCl.
<b>Storage condition :</b>	BID although stable at 15°C for 1 week, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

