

Recombinant Human BCL2-associated Agonist Of Cell Death, GST-tagged

Cat. No. BAD-1433H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human BAD was expressed by baculovirus in <i>Sf9</i> insect cell/s using an N-terminal GST tag. MW = 47kDa.
Species	Human
Source	Sf9 Cells
Description	BAD is a member of the BCL-2 family of proteins that are known to be regulators of programmed cell death. BAD is a pro-apoptotic protein that forms a heterodimer complex with BCL-xL and BCL-2 which reverses the prosurvival activity of these proteins. The proapoptotic activity of BAD is regulated through its phosphorylation and this inhibits the pro-apoptosis function of BAD. Protein kinases such as AKT, RAF and RSK1 can phosphorylate BAD and RSK1-induced phosphorylation of BAD at ser112 suppresses BAD-mediated apoptosis in neurons. BAD inhibits G(1) to S phase transition in MCF7 breast cancer cells and overexpression of BAD inhibits cell growth as well as cyclin D1 expression.
Sequence	Full length.
Applications	Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

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performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	BAD BCL2-associated agonist of cell death [Homo sapiens]
Synonyms	BAD; BCL2-associated agonist of cell death; BBC2; BCL2L8; Bcl-2-binding component 6; Bcl-2-like protein 8; Bcl2-L-8; Bcl-XL/Bcl-2- associated death promoter
Gene ID	572
mRNA Refseq	NM_004322
Protein Refseq	NP_004313
MIM	603167
UniProt ID	Q92934
Chromosome Location	11q13.1
Pathway	cute myeloid leukemia; Alzheimer"s disease; Amyotrophic lateral sclerosis (ALS); Apoptosis; Chronic myeloid leukemia; Endometrial cancer; ErbB signaling pathway; Focal adhesion; Insulin signaling pathway; Melanoma; Neurotrophin signaling pathway; Non-small cell lung cancer; Pancreatic cancer; Pancreatic cancer; thways in cancer; VEGF signaling pathway; Apoptosis
Function	protein binding; protein kinase binding

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