

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

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human BAD was expressed by baculovirus in <i>Sf9 insect cell</i> using an N-terminal GST tag. MW = 47kDa.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	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.
<b>Sequence</b>	Full length.
<b>Applications</b>	Western Blot.
<b>Storage And Stability</b>	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

<b>Gene Name</b>	BAD BCL2-associated agonist of cell death [ Homo sapiens ]
<b>Synonyms</b>	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
<b>Gene ID</b>	572
<b>mRNA Refseq</b>	NM_004322
<b>Protein Refseq</b>	NP_004313
<b>MIM</b>	603167
<b>UniProt ID</b>	Q92934
<b>Chromosome Location</b>	11q13.1
<b>Pathway</b>	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
<b>Function</b>	protein binding; protein kinase binding

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