

Recombinant Human BAD

Cat. No. BAD-26298TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Bad with N-terminal proprietary tag expressed in a Baculovirus infected Sf9 cell expression system; MWt 47kDa.
Species	Human
Description	The protein encoded by this gene is a member of the BCL-2 family. BCL-2 family members are known to be regulators of programmed cell death. This protein positively regulates cell apoptosis by forming heterodimers with BCL-xL and BCL-2, and reversing their death repressor activity. Proapoptotic activity of this protein is regulated through its phosphorylation. Protein kinases AKT and MAP kinase, as well as protein phosphatase calcineurin were found to be involved in the regulation of this protein. Alternative splicing of this gene results in two transcript variants which encode the same isoform.
Tissue specificity	Expressed in a wide variety of tissues.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence	Belongs to the Bcl-2 family.

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Similarities

Full Length Full L.

GENE INFORMATION

Gene Name BAD BCL2-associated agonist of cell death [Homo sapiens]

Official Symbol BAD

Synonyms BAD; BCL2-associated agonist of cell death; bcl2 antagonist of cell death; BBC2; BCL2L8;

Gene ID 572

mRNA Refseq NM_004322

Protein Refseq NP_004313

MIM 603167

Uniprot ID Q92934

Chromosome Location 11q13.1

Pathway AKT phosphorylates targets in the cytosol, organism-specific biosystem; Activation of BAD and translocation to mitochondria, organism-specific biosystem; Activation of BH3-only proteins, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem;

Function cysteine-type endopeptidase activator activity involved in apoptotic process; lipid

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binding; phospholipid binding; protein binding; protein heterodimerization activity;

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