

Recombinant Human BAD

Cat. No. BAD-26296TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length BAD protein (Human) with N-terminal 26 kDa proprietary tag, expressed in E. coli.
Species	Human
Source	E.coli
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
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5

 Tel: 1-631-559-9269 1-516-512-3133

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the Bcl-2 family.
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-

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specific biosystem; Acute myeloid leukemia, conserved biosystem;

Function

cysteine-type endopeptidase activator activity involved in apoptotic process; lipid binding; phospholipid binding; protein binding; protein heterodimerization activity;

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