Recombinant Human BAG1

Cat. No. BAG1-26063TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 72-345 of Human Bag1 with N-terminal proprietary tag, 66kDa.
Species	Human
Source	E.coli
ProteinLength	72-345 a.a.
Description	The oncogene BCL2 is a membrane protein that blocks a step in a pathway leading to apoptosis or programmed cell death. The protein encoded by this gene binds to BCL2 and is referred to as BCL2-associated athanogene. It enhances the anti-apoptotic effects of BCL2 and represents a link between growth factor receptors and anti-apoptotic mechanisms. Multiple protein isoforms are encoded by this mRNA through the use of a non-AUG (CUG) initiation codon, and three alternative downstream AUG initiation codons. A related pseudogene has been defined on chromosome X.
Tissue specificity	Isoform 4 is the most abundantly expressed isoform. It is ubiquitously expressed throughout most tissues, except the liver, colon, breast and uterine myometrium. Isoform 1 is expressed in the ovary and testis. Isoform 4 is expressed in several types of tu
Form	Liquid
Storage buffer	Preservative: 150mM ImidazoleConstituents: 25% Glycerol, 50mM MOPS, 150mM

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	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 Similarities	Contains 1 BAG domain.Contains 1 ubiquitin-like domain.

GENE INFORMATION

Gene Name	BAG1 BCL2-associated athanogene [Homo sapiens]
Official Symbol	BAG1
Synonyms	BAG1; BCL2-associated athanogene; BAG family molecular chaperone regulator 1;
Gene ID	573
mRNA Refseq	NM_001172415
Protein Refseq	NP_001165886
MIM	601497
Uniprot ID	Q99933
Chromosome Location	9p12
Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem;

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Function	chaperone binding; protein binding; receptor signaling protein activity;

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