

## Recombinant Human BAG1 protein, His-tagged

**Cat. No.** BAG1-101H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human BAG1(Thr149~Glu345) fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Thr149~Glu345
<b>Description</b>	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.
<b>Form</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Molecular Mass</b>	26.0kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 90%

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<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	BAG1 BCL2-associated athanogene [ Homo sapiens ]
<b>Official Symbol</b>	BAG1
<b>Synonyms</b>	BAG1; BCL2-associated athanogene; BAG family molecular chaperone regulator 1; BAG-1; Bcl-2-binding protein; receptor-associated protein, 46-KD; Bcl-2 associating athanogene-1 protein; glucocortoid receptor-associated protein RAP46; HAP; RAP46;
<b>Gene ID</b>	573
<b>mRNA Refseq</b>	NM_001172415
<b>Protein Refseq</b>	NP_001165886
<b>MIM</b>	601497
<b>UniProt ID</b>	Q99933

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<b>Chromosome Location</b>	9p12
<b>Pathway</b>	Androgen Receptor Signaling Pathway, organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem;
<b>Function</b>	chaperone binding; phosphoprotein binding; protein binding; receptor signaling protein activity;

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