Recombinant Human BAG1, GST-tagged

Cat. No. BAG1-6974H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human BAG1 (72-end) was expressed in E. coli cells using an N-terminal GST tag.
Species	Human
Source	E.coli
ProteinLength	72 aa-end
Description	BAG1 (also known as BCL2-associated athanogene) is a membrane protein rich in glutamic acid residues that binds to BCL2 and blocks apoptosis or programmed cell death. The BAG1-BCL2 complex enhances the anti-apoptotic effects of BCL2 and represents a link between growth factor receptors and anti-apoptotic mechanisms. Overexpression of BAG1 in 3T3 fibroblasts prevents apoptosis in the presence of low serum. BAG1 has also been shown to interact with activated glucocorticoid, androgen, estrogen and progesterone receptors. Binding to these receptors by BAG1 is dependent on receptor activation.
Form	Recombinant protein stored in 50mM MOPS, pH 7.5, 150mM NaCl, 150mM Imidazole, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~66kDa
Purity	>85%

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Applications	Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.2 μg/μl

GENE INFORMATION

Gene Name	BAG1 BCL2-associated athanogene [Homo sapiens]
Official Symbol	BAG1
Synonyms	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;
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

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	processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem;
Function	chaperone binding; phosphoprotein binding; protein binding; receptor signaling protein activity;

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