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Datasheet for ABIN6699543 **BAG1 Protein (GST tag)**

Overview

Quantity:	20 µg
Target:	BAG1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This BAG1 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	BAG1 recombinant protein-GST fusion protein
Purification:	Recombinant human BAG1 (72-end) was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >85% by densitometry.
Purity:	>85%

Target Details

Target:	BAG1
Alternative Name:	BAG1 (BAG1 Products)
Background:	Synonyms: BAG family molecular chaperone regulator 1 (BAG-1) (Bcl-2-associated athanogene 1), HAP, RAP46 Background: BAG1 (also known as BCL2-associated athanogene) is a membrane protein rich in

Target Details

glutamic acid residues that binds to BCL2 and blocks apoptosis or programmed cell death (1). The BAG1-BCL2 complex enhances the anti-apoptotic effects of BCL2 and represents a link between growth factor receptors and anti-apoptotic mechanisms (2). 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. BAG1 Protein is ideal for investigators involved in Signaling Proteins, Apoptosis Proteins, AKT/PKB Pathway, Apoptosis/Autophagy, Cancer, Cardiovascular Disease, and Neurobiology research.

NCBI Accession: [NM_004323](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: BAG1 Protein is suitable for use in Western Blot. Expect a band approximately ~ 66 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: BAG1 Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months