
Product Data Sheet

Product Name: BAG1 Human
 Cat. No.: GP22834
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BAG-1; Bcl-2-associated athanogene 1; RAP46; Bcl-2-binding protein; HAP.		
Amino Acid Sequence	MNRSQEVTRD EESTRSEEVT REEMAAAGLT VTVTHSNEKH DLHVTSQQGS SEPVVQDLAQ VVEEVIGVPQ SFQKLIFK GK SLKEMETPLS ALGIQDGCRV MLIGKKNPQ EEVELKCLKH LEKSVEKIAD QLEELNKELT GIQQGFLPKD LQAEALCKLD RRVKATIEQF MKILEEIDTL ILPENFKDSR LKRKGLVKKV QAFLAECTV EQNICQETER LQSTNFALAE.		
Formulation	BAG1 Human solution containing 20mM Tris-HCl pH-7.5, 0.1M NaCl and 10% glycerol.		

Introduction

BAG1 binds to BCL2 and is also called BCL2-associated athanogene. BAG1 increases the anti-apoptotic effects of BCL2 and is characterized as a link between growth factor receptors and anti-apoptotic mechanisms. BAG1 inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release. BAG1 inhibits the pro-apoptotic function of PPP1R15A, and has anti-apoptotic activity. BAG1 enhances the anti-cell death function of BCL2 induced by various stimuli.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

BAG1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 230 amino acids (1-230 a.a.) and having a molecular mass of 25.9 kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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BAG1 protein is purified by standard chromatography.

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