

BAG1 Human

Description: 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. BAG1 protein is purified by standard chromatography.

Catalog #: PRPS-824

For research use only.

Synonyms: BAG-1, Bcl-2-associated athanogene 1, RAP46, Bcl-2-binding protein, HAP.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MNRSQEVTRD EESTRSEEVT REEMAAAGLT VTVTHSNEKH
DLHVTSQQGS SEPVVQDLAQ VVEEVIGVPQ SFQKLIFKGGK SLKEMETPLS ALGIQDGCVRV
MLIGKKNSPQ EEVELKCLKH LEKSVEKIAD QLEELNKELT GIQQGFLPKD LQAEALCKLD
RRVKATIEQF MKILEEIDTL ILPENFKDSR LKRKGLVKKV QAFLAECDTV EQNICQETER
LQSTNFALAE.

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

BAG1 Human solution containing 20mM Tris-HCl pH-7.5, 0.1M NaCl and 10% glycerol.

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.

Usage:

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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.

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