



**Catalog Number:** PR27241

**Product Type:** Recombinant Protein

**Source:** *E. Coli*

**Amino Acid Sequence:** MGSSHHHHHH SGLVPRGSH MAQAKINAKA NEGRFCRSSS MADRSSRLLS SLDQLELRVE ALREAATAVE QEKEILLEMI HSIQNSQDMR QISDGEREEL NLNANRLMGR TLTVEVSVET IRNPQQQESL KHATRIIDEV VNKFLDDLGN AKSHLMSLYS ACSSEVPHGP VDQKFQSI VI GCALEDQKKI KRRLETLLRN IENSDKAIKL LEHSGGAGSK TLQQNAESRF N.

**Description/Molecular Mass:** BCL2-associated athanogene 2 (BAG2) belongs to the Bag family of proteins. BAG2 is a chief component of the HSC 70/CHIP chaperone-dependent ubiquitin ligase complex and acts to upset CHIP-mediated ubiquitylation. BAG proteins compete with Hip for attaching to the Hsc70/Hsp70 ATPase domain and promote substrate discharge. All the BAG proteins have a roughly 45 amino acid BAG domain by the C-terminus but vary clearly in their N-terminal regions. The BAG domains of BAG1, BAG2, and BAG3 act together expressly with the Hsc70 ATPase domain in vitro and in mammalian cells. All three proteins attach with high affinity to the ATPase domain of Hsc70 and obstruct its chaperone activity in a Hip-repressible manner.

**Purity:** BAG2 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 231 amino acids (1-211 a.a.) and having a molecular mass of 25.9kDa. The BAG2 is purified by proprietary chromatographic techniques.  
(a) Analysis by SDS-PAGE.

**Format:** The BAG2 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 20% glycerol and 0.1M NaCl.

**Storage:** 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.

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