

## Product datasheet for **AR09892PU-L**

### **BAG2 (1-211, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	BAG2 (1-211, His-tag) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	<u>MGSSHHHHHH SSGLVPRGSH</u> MAQAKINAKA NEGRFCRSSS MADRSSRLLS SLDQLELRVE ALREAATAVE QEKEILLEMI HSIQNSQDMR QISDGEREEL NLTANRLMGR TLTVEVSVET IRNPQQQESL KHATRIIDEV VNKFLDDLGN AKSHLMSLYS ACSSEVPHGP VDQKFQSIIV GCALEDQKKI KRRLETLRLN IENSDKAIKL LEHSGAGSK TLQQNAESRF N
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	25.9 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95%
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 20% glycerol, 0.1M NaCl
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human BAG2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<u>NP_004273</u>
<b>Locus ID:</b>	9532
<b>UniProt ID:</b>	<u>O95816</u>
<b>Cytogenetics:</b>	6p12.1
<b>Synonyms:</b>	BAG-2; dj41711.2



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**Summary:**

BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain and promote substrate release. All the BAG proteins have an approximately 45-amino acid BAG domain near the C terminus but differ markedly in their N-terminal regions. The predicted BAG2 protein contains 211 amino acids. The BAG domains of BAG1, BAG2, and BAG3 interact specifically with the Hsc70 ATPase domain in vitro and in mammalian cells. All 3 proteins bind with high affinity to the ATPase domain of Hsc70 and inhibit its chaperone activity in a Hip-repressible manner. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome

**Product images:**