

Recombinant Human BAG3 Protein, His-tagged

Cat. No. BAG3-293H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BAG3 Protein (Gly421-Ala498) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly421-Ala498
Description	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 protein encoded by this gene contains a WW domain in the N-terminal region and a BAG domain in the C-terminal region. 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 12.6 kDa Accurate Molecular Mass: 15 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	BAG3 BCL2-associated athanogene 3 [Homo sapiens (human)]
Official Symbol	BAG3
Synonyms	BAG3; BCL2-associated athanogene 3; BAG family molecular chaperone regulator 3; docking protein CAIR-1; BCL2-binding athanogene 3; bcl-2-binding protein Bis; bcl-2-associated athanogene 3; BAG-family molecular chaperone regulator-3; BIS; BAG-3; CAIR-1; MGC104307
Gene ID	9531
mRNA Refseq	NM_004281
Protein Refseq	NP_004272

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