

Recombinant Human BAG3 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. BAG3-097H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BAG3 MS Standard C13 and N15-labeled recombinant protein (NP_004272) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	61.4 kDa
AA Sequence	MSAATHSPMMQVASGNGDRDPLPPGWEIKIDPQTGWPFVDHNSRTTTWNDPRV PSEGPKETPSSANGPSREGSRLPPAREGHPVYPQLRPGYIPIVLHEGAENRQVHP FHVYPQPGMQRFRTAAAAAPQRSQSPLRGMPETTQPDKQCGQVAAAAAQQPPA SHGPERSQSPAASDCSSSSSSASLPSSGRSSLGSHQLPRGYISIPVIHEQNVTRPAA QPSFHQAQKTHYPAQQGEYQTHQPVYHKIQGDDWEPRPLRAASPFRRSSVQGASS

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REGSPARSSTPLHSPSPIRVHTVVDPRQQPMTHRETAPVSQPENKPESKPGPVGPE
LPPGHIPIQVIRKEVDSKPVSQKPPPPSEKVEVKVPPAPVPCPPSPGPSAVPSSPK
SVATEERAAPSTAPAEATPPKPGAEAPPKHPGVLKVEAILEKVQGLEQAVDNFEGK
KTDKKYLMIEEYLTKEALLDSVDPEGRADVRQARRDGVRKVQTILEKLEQKAIDVPG
QVQVYELQPSNLEADQPLQAIMEMGAVAADKGKKNAGNAEDPHTETQQPEATAAA
TSNPSSMTDTPGNPAAPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name BAG3 BAG cochaperone 3 [Homo sapiens (human)]

Official Symbol BAG3

Synonyms BAG3; BAG cochaperone 3; BAG-3; BIS; CAIR-1; MFM6; BAG family molecular chaperone regulator 3; BCL2 associated athanogene 3; BCL2-binding athanogene 3; Bcl-2-binding protein BIS transcript 2; bcl-2-binding protein Bis; docking protein CAIR-1

Gene ID 9531

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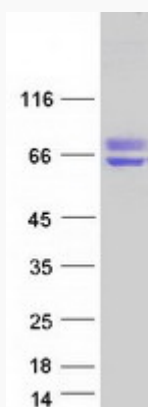
mRNA Refseq [NM_004281](#)

Protein Refseq [NP_004272](#)

MIM [603883](#)

UniProt ID [O95817](#)

SDS-PAGE



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