

Recombinant Human BAG3 Protein, His-tagged

Cat. No. BAG3-16H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BAG3 Protein, fused to His-tag, was expressed in E. coli.
Species	Human
Source	E.coli
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	20mM Tris-HCl (pH8.0), 1mM EDTA, 0.1 mM PMSF, 10% Glycerol.
Molecular Mass	63.7kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMSAATHSPMMQVASGNGDRDPLPPGWEIKIDPQT GWPFVDHNSRTTTWNDPRVPSEGPKETPSSANGPSREGSRLPPAREGHPVYPQL RPGYIPIVLHEGAENRQVHPFHVYPQPGMQRFRTAAAAAPQRSQSPLRGMPETT QPDKQCGQVAAAAAAQPPASHGPERSQSPAASDCSSSSSSASLPSSGRSSLGSHQ LPRGYISIPVIHEQNVTRPAAQPSFHQAQKTHYPAQQGEYQTHQPVYHKIQGDDWE PRPLRAASPFRSSVQGASSREGSPARSSTPLHSPSPIRVHTVVDRPQQPMTHRETA

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PVSQPENKPESKPGPVGPELPPGHIPIQVIRKEVDSKPVVSQKPPPPSEKVEVKVPPA
 PVPCPPSPGPSAVPSSPKSVATEERAAPSTAPAEATPPKPGAEAPPKHPGVLKV
 EAILEKVQGLEQAVDNFEGKKTDDKKYLMIEEYLTKEALLDSVDPEGRADVRRQARRD
 GVRKVQTILEKLEQKAIDVPGQVQVYELQPSNLEADQPLQAIMEMGAVAADKGKKN
 AGNAEDPHTETQQPEATAAATSNPSSMTDTPGNPAAP

Purity 90%

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.6 mg/ml

GENE INFORMATION

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

Official Symbol BAG3

Synonyms BIS; MFM6; BAG-3; CAIR-1

Gene ID 9531

mRNA Refseq NM_004281

Protein Refseq NP_004272

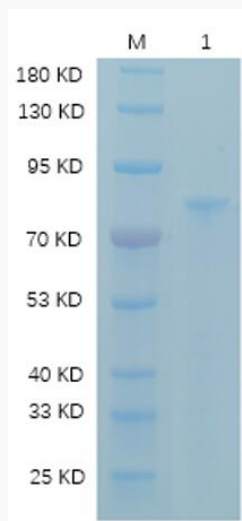
MIM 603883

UniProt ID O95817

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SDS-PAGE

Reducing 12% SDS-PAGE analysis profile of purified BAG3.

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