

Recombinant Full Length Human BAG3 Protein, GST-tagged

Cat. No. BAG3-1774HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BAG3 full-length ORF (AAH14656.1, 1 a.a. - 575 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	575 amino acids
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. [provided by RefSeq]
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	88.99 kDa
AA Sequence	MSAATHSPMMQVASGNGDRDPLPPGWEIKIDPQTGWPFVDHNSRTTTWNDPRV PSEGPKETPSSANGPSREGSRLPPAREGHPVYPQLRPGYIPIVLHEGAENRQVHP FHVYPQPGMQRFRTTEAAAAAPQRSQSPLRGMPETTQPDKQCGQVAAAAAAQPPA

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SHGPERSQSPAASDCSSSSSSASLPSSGRSSLGSHQLPRGYISIPVIHEQNVTRPAA
 QPSFHQAQKTHYPAAQQGEYQTHQPVYHKIQGDDWEPRPLRAASPFRSSVQGASS
 REGSPARSSTPLHSPSPIRVHTVVDRPQQPMTHRETAPVSQPENKPESKPGPVGPE
 LPPGHIPIQVIRKEVDSKPVSKPPPPSEKVEVKVPPAPVPCPPSPGPSAVPSSPK
 SVATEERAAPSTAPAEATPPKPGAEAPPKHPGVLKVEAILEKVQGLEQAVDNFEGK
 KTDKKYLMIEEYLTKEALLDSVDPEGRADVRQARRDGVRKVQTILEKLEQKAIDVPG
 QVQVYELQPSNLEADQPLQAIMEMGAVAADKGKKNAGNAEDPHTETQQPEATAAA
 TSNPSSMTDTPGNPAAP

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	BAG3 BCL2-associated athanogene 3 [Homo sapiens]
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

MIM	603883
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UniProt ID	O95817
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