

BCL2-Associated Athanogene 3 Recombinant Protein | BAG3 recombinant protein

Recombinant Human BCL2-Associated Athanogene 3

CATALOG # AAA38751	HOST E Coli
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PRODUCT SYNONYMS

BCL2-Associated Athanogene 3; Recombinant Human BCL2-Associated Athanogene 3; BAG3 Human; BCL2-Associated Athanogene 3 Human Recombinant; BIS; CAIR-1; BAG-3; BAG Family Molecular Chaperone Regulator 3; Bcl-2-associated athanogene 3; Bcl-2-binding protein Bis; Docking protein CAIR-1; BAG3; MGC104307; BAG3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	The BAG3 protein contains 20mM Tris buffer pH-8, 1mM EDTA, 10% glycerol and 0.1mM PMSF. Sterile filtered colorless solution.
Concentration	0.5mg/ml (varies by lot)
Sequence	MGSSHHH HHHSSGLVPR GSHMSA ATHSPMMQVA SGNDRDPLP PGWEIKIDPQ TGWPFFVDHN SRTTTWNDPR VPSEGPKETP SSANGPSREG SRLPPAREGH PVYPQLRPGY IPIVLHEGA ENRQVHPFHV YPQPGMQRFER TEAAAAAPQR SQSPLRGMPE TTQPDKQCGQ VAAAAAQQPP ASHGPERSSQ PAASDCSSSS SSASLPSSGR SSLGSHQLPR GYISIPVIHE QNVTRPAAQP SFHQAQKTHY PAQQGEYQTH QPVYHKIQGD DWEPRPLRAA SPFRSSVQGA SSREGSPARS STPLHSPSPI RVHTVVDPRQ QPMTHRETAP VSQPENKPES KPGPVGPELP PGHIPIQVIR KEVDSKPVSQ KPPPPSEKVE VKVPPAPVPC PPPSPGPSAV PSSPKSVATE ERAAPSTAPA EATPPKPGEA EAPPKHPGVL KVEAILEKVQ GLEQAVDNFE GKKTDDKLYM IEEYLTKELL ALDSVDPEGR ADVRQARRDG VRKVQTILEK LEQKAIDVPG QVQVYELQPS NLEADQLQA IMEMGAVAAD KGKKNAGNAE DPHETQQPE ATAAATSNPS SMTDTPGNPA AP
Sequence Length	575
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for BAG3 recombinant protein	Description: BAG3 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 595 amino acids (1-575 a.a.) and having a molecular mass of 63.7 kDa. The BAG3 protein is fused to a 20 amino acid His Tag at N-terminus and purified by standard chromatography techniques. Introduction: BAG3 Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release. BAG3 has anti-apoptotic activity. BAG proteins participate with Hip for their binding to Hsc70/Hsp70 ATPase domain and encourage substrate release. BAG proteins have about 45 amino acid BAG domain close to the C terminus however they differ noticeably in their N-terminal regions. BAG3 includes 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 particularly with the Hsc70 ATPase domain in vitro and in mammalian cells. They bind with high affinity to the ATPase domain of Hsc70 and inhibit its chaperone activity in a Hip-repressible manner. BAG3 plays a role as a protein-refolding cochaperone of the bcl2 binding protein BAG family and as upregulated in response to persistent stress of cellular calcium balance dysregulation. BAG3 has been shown to diminish stress-induced apoptosis.
Product Categories/Family for BAG3 recombinant protein	Recombinant & Natural Proteins; Recombinant Proteins; B Cell Lymphoma

NCBI AND UNIPROT INFORMATION

NCBI GI #	14043024
NCBI GeneID	9531
NCBI Accession #	NP_004272.2
NCBI GenBank Nucleotide #	NM_004281.3
UniProt Accession #	O95817; Q3B763; Q9NT20; Q9P120; A8K5L8
NCBI Official Full Name	BAG family molecular chaperone regulator 3
NCBI Official Synonym Full Names	BCL2-associated athanogene 3
NCBI Official Symbol	BAG3
NCBI Official Synonym Symbols	BIS; MFM6; BAG-3; CAIR-1
NCBI Protein Information	BAG family molecular chaperone regulator 3; BCL2-binding athanogene 3; bcl-2-binding protein Bis; docking protein CAIR-1
UniProt Protein Name	BAG family molecular chaperone regulator 3
UniProt Gene Name	BAG3
UniProt Synonym Gene Names	BIS; BAG-3
UniProt Entry Name	BAG3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/bag3-recombinant-protein-e-coli/38751>