Recombinant Human BCL2-associated Athanogene 3, His tagged

Cat. No. BAG3-1824H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human BAG3, fused to His-tag at N-terminus, was expressed in*E.coli*and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	BAG3 was reported initially 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. 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. Also, it has been shown to diminish stress-induced apoptosis.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSAATHSPMM QVASGNGDRD PLPPGWEIKI DPQTGWPFFV DHNSRTTTWN DPRVPSEGPK ETPSSANGPS REGSRLPPAR EGHPVYPQLR PGYIPIPVLH EGAENRQVHP FHVYPQPGMQ RFRTEAAAAA PQRSQSPLRG MPETTQPDKQ CGQVAAAAAA QPPASHGPER SQSPAASDCS SSSSSASLPS SGRSSLGSHQ LPRGYISIPV IHEQNVTRPA AQPSFHQAQK THYPAQQGEY QTHQPVYHKI QGDDWEPRPL RAASPFRSSV QGASSREGSP ARSSTPLHSP SPIRVHTVVD RPQQPMTHRE TAPVSQPENK PESKPGPVGP ELPPGHIPIQ VIRKEVDSKP VSQKPPPPSE KVEVKVPPAP VPCPPPSPGP

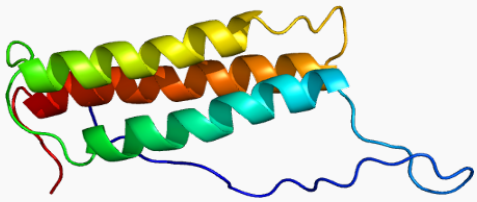
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	SAVPSSPKSV ATEERAAPST APAEATPPKP GEAEAPPKHP GVLKVEAILE KVQGLEQAVD NFEGKKTDKK YLMIEEYLTK ELLALDSVDP EGRADVRQAR RDGVRKVQTI LEKLEQKAID VPGQVQVYEL QPSNLEADQP LQAIMEMGAV AADKGKKNAG NAEDPHTETQ QPEATAAATS NPSSMTDTPG NPAAP
Form	Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 1mM EDTA, 0.1mM PMSF, 10% glycerol
Molecular Weight	63.7 kDa (595aa)
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	BAG3 BCL2-associated athanogene 3 [Homo sapiens]
Synonyms	BAG3; BAG-3; BIS; CAIR-1; MGC104307; MGC104307; BCL2-associated athanogene 3;BCL2-associated athanogene 3; Bcl-2-binding protein; docking protein CAIR-1; OTTHUMP00000020599; BAG-family molecular chaperone regulator-3; Docking protein CAIR-1.
Gene ID	9531
mRNA Refseq	NM_004281
Protein Refseq	NP_004272

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MIM	603883
UniProt ID	O95817
Chromosome Location	10q25.2-q26.2
Function	protein binding
PDB rendering based on 1uk5.Available structures 1uk5	

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