

AR09323PU-L

Human BAG3 (1-575, His-tag) - Purified

Alternate names:

BAG family molecular chaperone regulator 3, BAG-3, BIS, Bcl-2-associated athanogene 3, Bcl-2-binding protein Bis, Docking protein CAIR-1

Quantity:

0.25 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[O95817](#)

NCBI:

[NP_004272](#)

GenelD:

[9531](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM EDTA, 0.1 mM PMSF, 10% glycerol

Description:

Recombinant human BAG3, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MSAATHSPMM QVASNGNDRD PLPPGWEIKI DPQTGWPFV
DHNSRTTWN DPRVPSEGP ETPSSANGPS REGSRLPPAR EGHVPVYQLR PGYIPIVLH
EGAENRQVHP FHVYPQPGMQ RFRTEAAAAA PQRSQSPLRG MPETTQPDQK CGQVAAAAA
QPPASHGPER SQSPAASDCS SSSSSASLPS SGRSSLGSHQ LPRGYISIPV IHEQNVTRPA
AQPSFHQAQK THYPAQQGEY QTHQPVYHKI QGDDWEPRPL RAASPFSSV QGASSREGSP
ARSSTPLHSP SPIRVHTVVD RPQQPMTHRE TAPVSQPENK PESKPGPVGP ELPPGHIPIQ
VIRKEVDSKP VSQKPPPPSE KVEVKVPAP VPCPPSPGP SAVPSSPKSV ATEERAAPST
APAEATPPKP GEAEAPPKHP GVLKVEAILE KVQGLEQAVD NFEGKKTDDK YLMIEEYLT
ELLALDSVDP EGRADVQRAR RDGVRKVQTI LEKLEQKAID VPGQVQVYEL QPSNLEADQP
LQAIMMGAV AADKGKKNAG NAEDPHTETQ QEATAAATS NPSSMTDTPG NPAAP

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

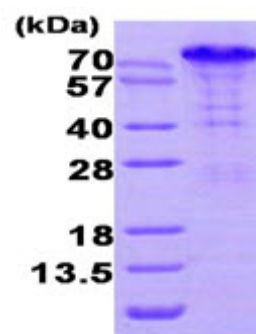
Shelf life: one year from despatch.

General Readings:

Kyratsous CA., et al. (2008) Proc Natl Acad Sci U S A. 105(52):20912-7.

Virador VM., et al. (2009) PLoS One. 4(4):e5136.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human BAG3 (1- 575 aa),
His-tagged: 15% SDS-PAGE (3 µg)

