Recombinant Human BAG3, His-tagged

Cat. No. BAG3-10125H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BAG3 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	275-575a.a.
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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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
UniProt ID	O95817
Chromosome Location	10q25.2-q26.2
Function	chaperone binding;

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