

# Recombinant human BAG2 protein

Catalog Number: ATGP0952

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-211aa

### UniProt No.

O95816

### NCBI Accession No.

NP\_004273.1

### Alternative Names

BCL2-associated athanogene 2, BAG-2

## PRODUCT SPECIFICATION

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### Molecular Weight

25.9 kDa (231aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.1M NaCl

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

BCL2-associated athanogene 2, also known as BAG2, is a member of the Bag family of proteins. BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain. BAG2 is a major component of the HSC 70/CHIP chaperone-dependent ubiquitin ligase complex and acts to disrupt CHIP-mediated ubiquitylation. Recombinant human BAG2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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### Amino acid Sequence

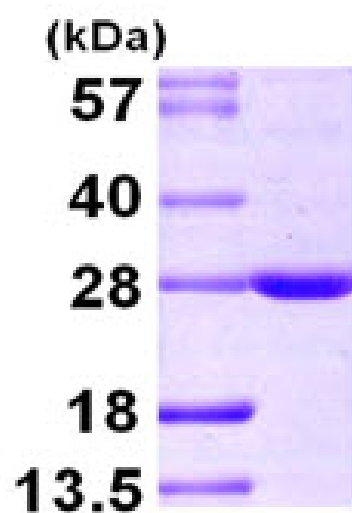
<MGSSHHHHHH SSGLVPRGSH> MAQAKINAKA NEGRFCRSSS MADRSSRLE SLDQLELRVE ALREAATAVE  
QEKEILLEMI HSIQNSQDMR QISDGEREEL NLTANRLMGR TLTVEVSVET IRNPQQQESL KHATRIIDEV VNKFLDDLGN  
AKSHLMSLYS ACSSEVPHGP VDQKFQSIIV GCALEDQKKI KRRLETLLRN IENSDKAIKL LEHSGAGSK TLQQNAESRF N

### General References

Takayama S., et al. (1999) J Biol Chem. 274:781-786.  
Arndt V., et al. (2005) CHIP Mol Biol Cell. 16:5891-5900.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)