

# 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 VQKQFSIVI GCALEDQKKI KRRLETLLRN IENSDKAIKL LEHSGAGSK TLQQNAESRF N

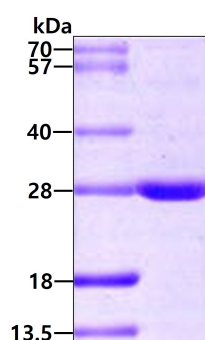
### General References

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.