

# Recombinant Human BAG5 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** BAG5-4749H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

BAG5 MS Standard C13 and N15-labeled recombinant protein (NP\_001015048) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

The protein encoded by this gene is a member of the BAG1-related protein family. BAG1 is an anti-apoptotic protein that functions through interactions with a variety of cell apoptosis and growth related proteins including BCL-2, Raf-protein kinase, steroid hormone receptors, growth factor receptors and members of the heat shock protein 70 kDa family. This protein contains a BAG domain near the C-terminus, which could bind and inhibit the chaperone activity of Hsc70/Hsp70. Three transcript variants encoding two different isoforms have been found for this gene.

### Molecular Mass

56 kDa

### AA Sequence

MRFHWLPTLSEPFDRNQELET CIRPLWTPSGSACETEHNKSMMDMGNQHPSISRLQ  
 EIQKEVKSV EQQVIGFSGLSDDKNYKKLERILTKQLFEIDSVDTEGKGDIIQQARKRAA  
 QETERLLKELEQNANHPHRIEIQNIFEEAQLVREKIVPFYNGGNCVTDEFEEGIQDII  
 LRLTHVKTGGKISLRKARYHTLTKICAVQEIIEDCMKKQPSLPLSEDAHPSVAKINFVM  
 CEVNKARGVLIALLMGVNNNETCRHLSCVLSGLIADLDALDVCGRTEIRNYRREVVE  
 DINKLLKYLDLEEEADTTKAFDLRQNHSSILKIEKVLKRMREIKNELLQAQNPSELYLSS

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KTELQGLIGQLDEVSLEKNPCIREARRRAVIEVQTLITYIDLKEALEKRKLFACEEHPS  
 HKAVWNVLGNLSEIQGEVLSFDGNRTDKNYIRLEELLTKQLLALDAVDPQGEEKCKA  
 ARKQAVRLAQNILSYLDLKSDEWEYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** BAG5 BCL2-associated athanogene 5 [ Homo sapiens (human) ]

**Official Symbol** BAG5

**Synonyms** BAG5; BCL2-associated athanogene 5; BAG family molecular chaperone regulator 5; bcl-2-associated athanogene 5; BAG-family molecular chaperone regulator-5; BAG-5;

**Gene ID** 9529

**mRNA Refseq** NM\_001015048

**Protein Refseq** NP\_001015048

**MIM** 603885

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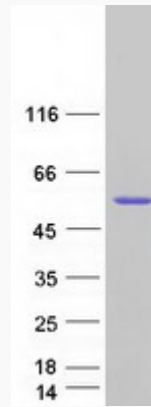
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UniProt ID

Q9UL15

SDS-PAGE



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