

# Recombinant Human BAG4 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** BAG4-4771H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	BAG4 MS Standard C13 and N15-labeled recombinant protein (NP_004865) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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. This protein was found to be associated with the death domain of tumor necrosis factor receptor type 1 (TNF-R1) and death receptor-3 (DR3), and thereby negatively regulates downstream cell death signaling. The regulatory role of this protein in cell death was demonstrated in epithelial cells which undergo apoptosis while integrin mediated matrix contacts are lost. Alternatively spliced transcript variants encoding distinct isoforms have been identified.</p>
<b>Molecular Mass</b>	49.6 kDa
<b>AA Sequence</b>	MSALRRSGYGPSDGPSTYGRYYGPGGGDVPVHPPPLYPLRPEPPQPPISWRVRG

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GGPAETTWLGE GGGGGDGYYPSSGGAWPEPGRAGGSHQE QPPYPSYNSNYWNSTA  
 RSRAPYPSTY PVRPELQGQSLNSYTN GAYGPTYPPGPGANTASYSGAYYAPGYTQ  
 TSYSTEVPSTY RSSGNSPTVSRWIYPQQDCQTEAPPLRGQVPGYPPSQNPGMTL  
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 MTESTSPWPSSGSPQSPSPVQQPKDSSYPYSQSDQSMNRHNFPCSVHQYESS  
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 KKIIHVLEKVQYLEQEVEEFVGGKTKDKAYWLLEMLTKELLELDVETGGQDSVRQA  
 RKEAVCKIQAILEKLEKGLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	BAG4 BCL2-associated athanogene 4 [ Homo sapiens (human) ]
<b>Official Symbol</b>	BAG4
<b>Synonyms</b>	BAG4; BCL2-associated athanogene 4; BAG family molecular chaperone regulator 4; silencer of death domains; SODD; bcl-2-associated athanogene 4; BAG-family molecular chaperone regulator-4; BAG-4; DKFZp586O2022;
<b>Gene ID</b>	9530

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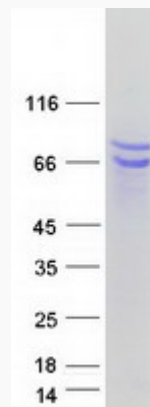
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Protein Refseq [NP\\_004865](#)

MIM [603884](#)

UniProt ID [O95429](#)

SDS-PAGE



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