

## Product datasheet for TP306235M

### Silencer of Death Domain (BAG4) (NM\_004874) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human BCL2-associated athanogene 4 (BAG4), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206235 protein sequence Red=Cloning site Green=Tags(s)
	MSALRRSGYGPSDGPSTYGRYYGPGGGDVPVHPPPLYPLRPEPPQPPISWVRVGGGPAETTWLGEGGGGD GYPSGGAWPEPGRAGGSHQEQPPYPSYNSNYWNSTARSRAPYPSTYPVRPELQGQSLNSYTNNGAYGPTY PPGPGANTASYSGAYYAPGYTQTSYSTEVPSTYRSSGNSPTPVSRWIYPQQDCQTEAPPLRGQVPGYPPS QNPGMTLPHYPYGDGNRSVPQSGPTVRPQEDAWASPGAYGMGGRYWPSSAPSAPPGNLYMTESTSPWPS SGSPQSPSPVQPKDSSYPYSQSDQSMNRHNFPCSVHQYESSGTVNNDDSDLLDSQVQYSAEPQLYGN ATSDHPNNQDQSSSLPEECVPSDESTPPSIKKIIVLEKVQYLEQEVEEFVGGKTKDKAYWLLLEMLTKEL LELDSVETGGQDSVRQARKEAVCKIQAILEKLEKKGL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	49.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_004865</a>



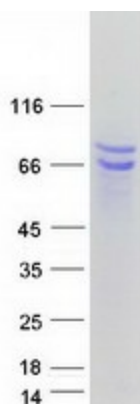
[View online »](#)

Locus ID: 9530  
UniProt ID: [O95429](#), [B4E217](#)  
RefSeq Size: 4478  
Cytogenetics: 8p11.23  
RefSeq ORF: 1371  
Synonyms: BAG-4; SODD

**Summary:** 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. [provided by RefSeq, Mar 2011]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified BAG4 protein (Cat# [TP306235]). The protein was produced from HEK293T cells transfected with BAG4 cDNA clone (Cat# [RC206235]) using MegaTran 2.0 (Cat# [TT210002]).