

Product datasheet for PH306235

Silencer of Death Domain (BAG4) (NM_004874) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BAG4 MS Standard C13 and N15-labeled recombinant protein (NP_004865)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206235
Predicted MW:	49.6 kDa
Protein Sequence:	>RC206235 protein sequence Red=Cloning site Green=Tags(s)

MSALRRSGYGPSDGPSTYGRYYGPGGDVPVHPPPLYPLRPEPPQPPISWRVRGGGPAETTLWEGGGGD
 GYYPSSGAWPEPGRAGGSHQEPPYPSYNSNYWNSTARSRAPYPSYTPVRPELQGGSLNSYTNNGAYGPTY
 PPGPGANTASYSGAYYAPGYTQTSYSTEVPSTYRSSGNSPTPVSRIWYYPQQDCQTEAPPLRGQVPGYPPS
 QNPGMTLPHYPYGDGNRSVPQSGPTVRPQEDAWASPGAYMGGRYPWPSSAPSAPPGNLYMTESTSPWPS
 SGSPQSPSPVQPKDSSYPYSQSDQSMNRHNFPCSVHQYESSGTVNDDSDLLDSQVQYSAEPQLYGN
 ATSDHPNNQDQSSSLPEECVPSDESTPPSIKKI IHVLEKVOYLEQEVVEEFVGKTKDKAYWLLLEMLTKEL
 LELDSVETGGQDSVRQARKEAVCKIQAILEKLEKKGL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004865
RefSeq Size:	4478
RefSeq ORF:	1371
Synonyms:	BAG-4; SODD



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Locus ID: 9530

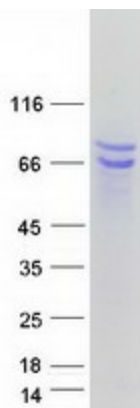
UniProt ID: [O95429](#), [B4E217](#)

Cytogenetics: 8p11.23

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]).