

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

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

SPECIFICATION

Product Overview	BAG4 MS Standard C13 and N15-labeled recombinant protein (NP_004865) 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. 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.
Molecular Mass	49.6 kDa
AA Sequence	MSALRRSGYGPSDGPSTYGRYYGPGGGDVPVHPPPLYPLRPEPPQPPISWRVRG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GGPAETTWLGE GGGGDDGYYPSSGGAWPEPGRAGGSHQE QPPYPSYNSNYWNSTA
 RSRAPYPSTYPVRPELQGQSLNSYTN GAYGPTYPPGPGANTASYSGAYYAPGYTQ
 TSYSTEVPSTYRSSGNSPTPVSRWIYPQQDCQTEAPPLRGQVPGYPPSQNPGMTL
 PHYPYGDGNRSVPQSGPTVRPQEDAWASPGAYGMGGRYWPSSAPSAPPGNLY
 MTESTSPWPSSGSPQSPPSPPVQQPKDSSYPYSQSDQSMNRHNFPCSVHQYESS
 GTVNNDDSDLLDSQVQYSAEPQLYGNATSDHPNNQDQSSSLPEECVPSDESTPPSI
 KKIIHVLEKVQYLEQEVEEFVGKKT DKAYWLLEMLTKELLEDSVETGGQDSVRQA
 RKEAVCKIQAILEKLEKKGLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	BAG4 BCL2-associated athanogene 4 [Homo sapiens (human)]
Official Symbol	BAG4
Synonyms	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;
Gene ID	9530

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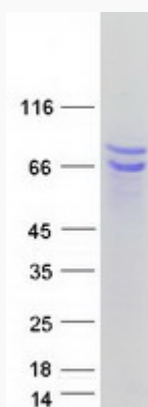
mRNA Refseq NM_004874

Protein Refseq NP_004865

MIM 603884

UniProt ID O95429

SDS-PAGE



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