

Recombinant Full Length Human BAG4 Protein, GST-tagged

Cat. No. BAG4-1803HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human BAG4 full-length ORF (AAH38505, 1 a.a. - 457 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	457 amino acids
Description	<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. [provided by RefSeq</p>
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	76.01 kDa

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AA Sequence

MSALRRSGYGPSDGPSTYGRYYGPGGGDVPVHPPPPLYPLRPEPPQPPISWRVRG
 GGPAETTWLGEGGGGDGYPPSGGAWPEPGRAGGSHQEQQPPYPSYNSNYWNSTA
 RSRAPYPSTYVVRPELQGQSLNSYTNAYGPTYPPGPGANTASYSGAYYAPGYTQ
 TSYSTEVPSTYRSSGNSPTVSRWIYPQQDCQTEAPPLRGQVPGYPPSQNPGMTL
 PHYPYGDGNRSVPQSGPTVRPQEDAWASPGAYGMGGRYWPSSAPSAPPGNLY
 MTESTSPWPSSGSPQSPSPVQQPKDSSYPYSQSDQSMNRHNFPCSVHQYESS
 GTVNNDDSDLLDSQVQYSAEPQLYGNATSDHPNNQDQSSSLPEECVPSDESTPPSI
 KKIIHVLEKVQYLEQEVEEFVGGKTKDKAYWLLEMLTKELLELDVETGGQDSVRQA
 RKEAVCKIQAILEKLEKKGL

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name BAG4 BCL2-associated athanogene 4 [Homo sapiens]

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

mRNA Refseq NM_001204878

Protein Refseq NP_001191807

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MIM	603884
UniProt ID	O95429

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