

BAG4 cDNA

Catalog Number: ATGD0089

PRODUCT INFORMATION

Catalog number

ATGD0089

Product type

cDNA

Species

Human

NCBI Accession No.

NP_004865.1

Alternative Names

BAG-4, SODD, BAG family molecular chaperone regulator 4, BAG cochaperone 4, BCL2 associated athanogene 4

mRNA Refseq

NM_004874.3

OMIM

603884

Chromosome location

8p11.23

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1374bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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BAG4 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.

DATA

Sequence nucleotides

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ATGTCGGCCC TGAGGCGCTC GGGCTACGGC CCCAGTGACG GTCCGTCCTA CGGCCGCTAC TACGGGCCTG
GGGGTGGAGA TGTGCCGTA CACCCACCTC CACCCTATA TCCTCTTCGC CCTGAACCTC CCCAGCCTCC
CATTTCCTGG CGGGTGC GGGGCGGCC GCGGAGACC ACCTGGCTGG GAGAAGGCGG AGGAGGCGAT
GGCTACTATC CCTCGGGAGG CGCCTGGCCA GAGCCTGGTC GAGCCGGAGG AAGCCACCAG GAGCAGCCAC
CATATCCTAG CTACAATTCT AACTATTGGA ATTCTACTGC GAGATCTAGG GTCCTTACC CAAGTACATA
TCCTGTAAGA CCAGAATTGC AAGGCCAGAG TTTGAATTCT TATACAAATG GAGCGTATGG TCCAACATAC
CCCCAGGCC CTGGGGCAA TACTGCCTCA TACTCAGGGG CTTATTATGC ACCTGGTTAT ACTCAGACCA
GTTACTCCAC AGAAGTTCCA AGTACTTACC GTTCATCTGG CAACAGCCCA ACTCCAGTCT CTCGTTGGAT
CTATCCCCAG CAGGACTGTC AGACTGAAGC ACCCCCTCTT AGGGGGCAGG TTCCAGGATA TCCGCCTTCA
CAGAACCCTG GAATGACCCT GCCCCATTAT CTTATGGAG ATGGTAATCG TAGTGTTCCA CAATCAGGAC
CGACTGTACG ACCACAAGAA GATGCGTGGG CTTCTCCTGG TGCTTATGGA ATGGGTGGCC GTTATCCCTG
GCCTTCATCA GCGCCCTCAG CACCACCCGG CAATCTCTAC ATGACTGAAA GTACTTCACC ATGGCCTAGC
AGTGGCTCTC CCCAGTCACC CCCTTACCC CCAGTCCAGC AGCCCAAGGA TTCTTCATAC CCCTATAGCC
AATCAGATCA AAGCATGAAC CGGCACAAC TTCCTTGCAG TGTCCATCAG TACGAATCCT CGGGGACAGT
GAACAATGAT GATTCAGATC TTTTGGATT CCAAGTCCAG TATAGTGCTG AGCCTCAGCT GTATGGTAAT
GCCACCAGTG ACCATCCCAA CAATCAAGAT CAAAGTAGCA GTCTTCCTGA AGAATGTGTA CCTTCAGATG
AAAGTACTCC TCCGAGTATT AAAAAAATCA TACATGTGCT GGAGAAGGTC CAGTATCTTG AACAAGAAGT
AGAAGAATTT GTAGGAAAAA AGACAGACAA AGCATACTGG CTTCTGGAAG AAATGCTAAC CAAGGAACTT
TTGGAAGTGG ATTCAGTTGA AACTGGGGGC CAGGACTCTG TACGGCAGGC CAGAAAAGAG GCTGTTTGTG
AGATTCAGGC CATACTGGAA AAATTAGAAA AAAAAGGATT ATGA
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Transaction Sequence

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TQTSYSTVEP STYRSSGNP TPVSRWIYPQ QDCQTEAPPL RGQVPGYPPS QNPGMTLPHY PYGDGNRSVP QSGPTVRPQE
DAWASPGAYG MGGRYWPSS APSAPPNLY MTESTSPWPS SGSPQSPPSP PVQPKDSSY PYSQSDQSMN
RHNFPCSVHQ YESSGTVNND DSDLLDSQVQ YSAEPQLYGN ATSDHPNNQD QSSSLPEECV PSDESTPPSI KKIIHVLEKV
QYLEQEVEEF VGKKTDKAYW LLEMLTKEL LE LDSVETGG QDSVRQARKE AVCKIQAILK KLEKKGL
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