Recombinant Human BAG2, His-tagged

Cat. No. BAG2-27436TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human BAG2 with an N terminal His tag; 231 amino acids with tag, Predicted MWt 25.9 kDa.
Species	Human
Source	E.coli
ProteinLength	211 amino acids
Description	BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain and promote substrate release. All the BAG proteins have an approximately 45-amino acid BAG domain near the C terminus but differ markedly in their N-terminal regions. The predicted BAG2 protein contains 211 amino acids. The BAG domains of BAG1, BAG2, and BAG3 interact specifically with the Hsc70 ATPase domain in vitro and in mammalian cells. All 3 proteins bind with high affinity to the ATPase domain of Hsc70 and inhibit its chaperone activity in a Hip-repressible manner.
Conjugation	HIS
Molecular Weight	25.900kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: NoneConstituents: 20% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMAQAKINAKANEGRFCRSSSMADRSSRLLESLDQL ELRVEALREAATAVEQEKEILLEMIHSIQNSQDMRQISDGEREELNLTANRLMGRTLT VEVSVETIRNPQQQESLKHATRIIDEVVNKFLDDLGNAKSHLMSLYSACSSEVPHGP VDQKFQSIVIGCALEDQKKIKRRLETLLRNIENSDKAIKLLEHSKGAGSKTLQQNAESR FN
Sequence Similarities	Contains 1 BAG domain.

GENE INFORMATION

Gene Name	BAG2 BCL2-associated athanogene 2 [Homo sapiens]
Official Symbol	BAG2
Synonyms	BAG2; BCL2-associated athanogene 2; BAG family molecular chaperone regulator 2;
Gene ID	9532
mRNA Refseq	NM_004282
Protein Refseq	NP_004273
MIM	603882

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Uniprot ID	O95816
Chromosome Location	6p12.3-p11.2
Pathway	Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem;
Function	chaperone binding;

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