

# Human BAG3 Knockdown Cell Lysate

**Cat. No.** BAG3-326HKCL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	WB-validated BAG3 Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	<p>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 protein encoded by this gene contains a WW domain in the N-terminal region and a BAG domain in the C-terminal region. 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.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	62 kDa
<b>Notes</b>	<p>Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.</p>
<b>Storage</b>	Store at -20 centigrade.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

<b>Concentration</b>	Lot-specific
<b>Shipping</b>	Blue Ice
<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg BAG3 KD HeLa cell lysate
<b>Protein Families</b>	Druggable Genome
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	BAG3 BCL2-associated athanogene 3 [ Homo sapiens (human) ]
<b>Official Symbol</b>	BAG3
<b>Synonyms</b>	BAG3; BCL2-associated athanogene 3; BAG family molecular chaperone regulator 3; docking protein CAIR-1; BCL2-binding athanogene 3; bcl-2-binding protein Bis; bcl-2-associated athanogene 3; BAG-family molecular chaperone regulator-3; BIS; BAG-3; CAIR-1; MGC104307;
<b>Gene ID</b>	9531
<b>mRNA Refseq</b>	NM_004281
<b>Protein Refseq</b>	NP_004272
<b>MIM</b>	603883
<b>UniProt ID</b>	O95817

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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