

Human BAG3 Knockdown Cell Lysate

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

SPECIFICATION

Product Overview	WB-validated BAG3 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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 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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	62 kDa
Notes	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.
Storage	Store at -20 centigrade.

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

GENE INFORMATION

Gene Name	BAG3 BCL2-associated athanogene 3 [Homo sapiens (human)]
Official Symbol	BAG3
Synonyms	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;
Gene ID	9531
mRNA Refseq	NM_004281
Protein Refseq	NP_004272
MIM	603883
UniProt ID	O95817

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