



# Recombinant Human BAG family molecular chaperone regulator 3 (BAG3)

<b>Product Code</b>	CSB-MP002531HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O95817
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>SAATHSPMM QVASGNGDRD PLPPGWEIKI DPQTGWPFV DHNSRTTTWN  DPRVPSEGPK ETPSSANGPS REGSRLPPAR EGHPVYPQLR PGYIPIVLH  EGAENRQVHP FHVYPQPGMQ RFRTEAAAAA PQRSQSPLRG  MPETTQPKQ CGQVAAAAAA QPPASHGPER SQSPAASDCS SSSSSASLPS  SGRSSLGSHQ LPRGYISIPV IHEQNVTRPA AQPSFHQAQK THYPAAQGEY  QTHQPVYHKI QGDDWEPRPL RAASPFRSSV QGASSREGSP ARSSTPLHSP  SPIRVHTVVD RPQQPMTHRE TAPVSQPENK PESKPGVGP ELPPGHIPIQ  VIRKEVDSKP VSQKPPPSE KVEVKVPPAP VPCPPPSPGP SAVPSSPKSV  ATEERAAPST APAEATPPKP GEAEAPPKHP GVLKVEAILE KVQGLEQAVD  NFEGKKTDDK YLMIEEYLTG ELLALDSVDP EGRADVRQAR RDGVRKVQTI  LEKLEQKAID VPGQVQVYEL QPSNLEADQP LQAIMEMGAV AADKGKKNAG  NAEDPHTETQ QPEATAAATS NPSSMTDTPG NPAAP</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	BAG3
<b>Protein Names</b>	Recommended name: BAG family molecular chaperone regulator 3 Short name= BAG-3 Alternative name(s): Bcl-2-associated athanogene 3 Bcl-2-binding protein Bis Docking protein CAIR-1
<b>Expression Region</b>	2-575
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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. This protein 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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the



contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.