



# Recombinant Human BAG family molecular chaperone regulator 4 (BAG4)

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| <b>Product Code</b>      | CSB-MP002532HU  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | O95429  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MSALRRSGYG PSDGPSYGRY YGPGGGDVPV HPPPLYPLR PEPPQPPISW<br>RVRGGGPAET TWLGEGGGGD GYYPSSGAWP EPGRAGGSHQ<br>EQPPYPSYNS NYWNSTARSR APYPSTYPVR PELQGQSLNS YTNGAYGPTY<br>PPGPGANTAS YSGAYYAPGY TQTSYSTYVVP STYRSSGNSP TPVSRWIYPQ<br>QDCQTEAPPL RGQVPGYPPS QNPGMTLPHY PYGDGNRSVP<br>QSGPTVRPQE DAWASPGAYG MGGRYWPSS APSAPPGNLY<br>MTESTSPWPS SGSPQSPSP PVQQPKDSSY PYSQSDQSMN<br>RHNFPCSVHQ YESSGTVNND DSDLLDSQVQ YSAEPQLYGN<br>ATSDHPNND QSSSLPEECV PSDESTPPSI KKIIHVLEKV QYLEQEVEEF<br>VGKKTDKAYW LLEMLTKEL LELDSVETGG QDSVRQARKE AVCKIQAILE<br>KLEKKGL  |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | BAG4  |
| <b>Protein Names</b>     | Recommended name: BAG family molecular chaperone regulator 4 Short name= BAG-4 Alternative name(s): Bcl-2-associated athanogene 4 Silencer of death domains   |
| <b>Expression Region</b> | 1-457   |
| <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 protein   |
| <b>Target Details</b>    | This protein 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.

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**Reconstitution**

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.

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**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.