

**BAG3 Blocking Peptide (N-Term)**  
**Synthetic peptide**  
**Catalog # BP21826a****Specification**

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**BAG3 Blocking Peptide (N-Term) - Product Information**Primary Accession [O95817](#)**BAG3 Blocking Peptide (N-Term) - Additional Information**

Gene ID 9531

**Other Names**

BAG family molecular chaperone regulator 3, BAG-3, Bcl-2-associated athanogene 3, Bcl-2-binding protein Bis, Docking protein CAIR-1, BAG3, BIS

**Target/Specificity**

The synthetic peptide sequence is selected from aa 51-62 of HUMAN BAG3

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**BAG3 Blocking Peptide (N-Term) - Protein Information**

Name BAG3

Synonyms BIS

**Function**

Co-chaperone for HSP70 and HSC70 chaperone proteins. Acts as a nucleotide-exchange factor (NEF) promoting the release of ADP from the HSP70 and HSC70 proteins thereby triggering client/substrate protein release. Nucleotide release is mediated via its binding to the nucleotide-binding domain (NBD) of HSPA8/HSC70 where as the substrate release is mediated via its binding to the substrate-binding domain (SBD) of HSPA8/HSC70 (PubMed:<a href="http://www.uniprot.org/citations/9873016" target="\_blank">9873016</a>, PubMed:<a href="http://www.uniprot.org/citations/27474739" target="\_blank">27474739</a>). Has anti-apoptotic activity (PubMed:<a href="http://www.uniprot.org/citations/10597216" target="\_blank">10597216</a>). Plays a role in the HSF1 nucleocytoplasmic transport (PubMed:<a href="http://www.uniprot.org/citations/26159920" target="\_blank">26159920</a>).

**Cellular Location**

Nucleus. Cytoplasm. Note=Colocalizes with HSF1 to the nucleus upon heat stress  
(PubMed:26159920)

### **BAG3 Blocking Peptide (N-Term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **BAG3 Blocking Peptide (N-Term) - Images**

### **BAG3 Blocking Peptide (N-Term) - Background**

Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release. Has anti-apoptotic activity.

### **BAG3 Blocking Peptide (N-Term) - References**

Takayama S.,et al.J. Biol. Chem. 274:781-786(1999).  
Lee J.H.,et al.Oncogene 18:6183-6190(1999).  
Doong H.,et al.Oncogene 19:4385-4395(2000).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).