

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

BAG3 Blocking Peptide (N-Term) - Product InformationPrimary 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:9873016, PubMed:27474739). Has anti-apoptotic activity (PubMed:10597216). Plays a role in the HSF1 nucleocytoplasmic transport (PubMed:26159920).

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).