Recombinant BAG2 protein (His tag)

Catalog Number	541935
Synonyms	BAG-2; Bcl-2-associated athanogene 2
Species	Human
Expression System	E. coli
Accession	O95816
Molecular Weight	Predictes a molecular mass of 25.30 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	2-211
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 2-211 aa (O95816) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Introducing the recombinant BAG-2 (Bcl-2-associated athanogene 2) protein fragment, encompassing amino acids 2-211 of the human BAG family molecular chaperone regulator 2. This fragment is expertly designed to include the complete BAG domain, making it an essential tool for researchers investigating nucleotide-exchange mechanisms and chaperone regulation in cellular processes. BAG-2 is a co-chaperone for HSP70 and HSC70 chaperone proteins, functioning as a nucleotide-exchange factor (NEF) that promotes ADP release from these chaperones, thereby facilitating client protein release. This activity is crucial for protein folding, trafficking, and degradation pathways, highlighting BAG-2's significance in maintaining cellular proteostasis. The full-length protein plays a key role in modulating chaperone function, though its subcellular localization is not specified in the provided data.