

Recombinant Mouse Bcap31 Protein, Myc/DDK-tagged

Cat. No. Bcap31-1839M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length B cell receptor associated protein 31 (Bcap31), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Functions as a chaperone protein. Is one of the most abundant endoplasmic reticulum (ER) proteins. Plays a role in the export of secreted proteins in the ER, the recognition of abnormally folded protein and their targeting to the ER associated-degradation (ERAD). Also serves as a cargo receptor for the export of transmembrane proteins. Plays a role in the assembly of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) by stimulating the translocation of NDUFS4 and NDUFB11 from the cytosol to the mitochondria via interaction with TOMM40. In response to ER stress, delocalizes from the ER-mitochondria contact sites and binds BCL2. May be involved in CASP8-mediated apoptosis.
Molecular Mass	28 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Bcap31 B cell receptor associated protein 31 [Mus musculus (house mouse)]

Official Symbol Bcap31

Synonyms BCAP31; B cell receptor associated protein 31; B-cell receptor-associated protein 31; p28; accessory protein BAP31; BCR-associated protein 31; Bap31

Gene ID 27061

mRNA Refseq NM_012060

Protein Refseq NP_036190

UniProt ID Q61335

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