

Recombinant Mouse Becn1 Protein, Myc/DDK-tagged

Cat. No. Becn1-1855M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length beclin 1, autophagy related (Becn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays a central role in autophagy. Acts as core subunit of different PI3K complex forms that mediate formation of phosphatidylinositol 3-phosphate and are believed to play a role in multiple membrane trafficking pathways: PI3KC3-C1 is involved in initiation of autophagosomes and PI3KC3-C2 in maturation of autophagosomes and endocytosis. Involved in regulation of degradative endocytic trafficking and required for the abscission step in cytokinesis, probably in the context of PI3KC3-C2. Essential for the formation of PI3KC3-C2 but not PI3KC3-C1 PI3K complex forms. Involved in endocytosis including endosome formation in neuronal cells. May play a role in antiviral host defense.
Molecular Mass	52 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
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Becn1 beclin 1, autophagy related [Mus musculus (house mouse)]
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Official Symbol	Becn1
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Synonyms	BECN1; beclin 1, autophagy related; beclin-1; Bcl-2-interacting protein beclin; coiled-coil myosin-like BCL2-interacting protein; coiled-coil, myosin-like BCL2-interacting protein; Atg6; MGC6843; 4921513J16Rik; 5430417M23Rik
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Gene ID	56208
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mRNA Refseq	NM_019584
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Protein Refseq	NP_062530
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UniProt ID	O88597
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