Recombinant Mouse Pik3c3 Protein, Myc/DDK-tagged

Cat. No. Pik3c3-4863M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phosphoinositide-3-kinase, class 3 (cDNA clone MGC:30377 IMAGE:3661094), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalytic subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate; different complex forms 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 abcission step in cytokinesis, probably in the context of PI3KC3-C2. Involved in the transport of lysosomal enzyme precursors to lysosomes. Required for transport from early to late endosomes.
Molecular Mass	96.8 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	Pik3c3 phosphatidylinositol 3-kinase catalytic subunit type 3 [Mus musculus (house mouse)]
Official Symbol	Pik3c3
Synonyms	Pik3c3; phosphatidylinositol 3-kinase catalytic subunit type 3; Vp; Vps34; 5330434F23Rik; phosphatidylinositol 3-kinase catalytic subunit type 3; PI3-kinase type 3; PI3K type 3; phosphoinositide-3-kinase, class 3; ptdIns-3-kinase type 3; EC 2.7.1.137
Gene ID	225326
mRNA Refseq	NM_181414
Protein Refseq	NP_852079
UniProt ID	Q6PF93

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