

## Product datasheet for TP510937

### Pik3c3 (BC024675) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse phosphoinositide-3-kinase, class 3 (cDNA clone MGC:30377 IMAGE:3661094), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR210937 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MGEAEKFHYIYSCDLIDINVQLKIGSLEGKREQKSYKAVLEDPMLKFSGLYQETCSDLYVTCQVFAEGKPL  
ALPVRTSYKAFSTRWNWNEWLKLVPKYPDLPRNAQVALTIWDVYGPVAVPVGTTVSLFGKYGMFRQGM  
HDLKVVWPNVEADGSEPTRTPGRTSSTLSEDDMSRLAKLTKAHRQGHMVKVDWLDRLTFREIEMINESEKR  
SSNFMYLMVEFRCVKCDDKEYGIVYYEKDGDDESSPILTSFELVKVPDPQMSMENLVESKHHKLARSLRSG  
PSDHDLKPNATTRDQLNIIVSYPPTKQLTYEEQDLVWKFYYLTNQEKALTKFLKCVNWDLPQEAQALE  
LLGKWKPMDEVDSLELLSSHYTNPTVRRYAVARLRQADDEDLLMYLLQLVQALKYENFDDIKNGLEPTKK  
DSQTSASELSNSGVSSGDIDSSQIITNPLPPVAPPASKAKEVSDGESLEQDLCTFLISRACKNSTLAN  
YLYWVIVIVEDQDTQQRDPKTHEMYLNMRRFSQALLKGDKSVRVMRSLAAQQTFFVDRLVHLMKAVQR  
ESGNRKKKNERLQALLGDNEKMNLSDVELIPLPLEPQVKIRGIIPETATLFKSALMPAQLFFKTEDGGKY  
PVIFKHGDDLQDQLILQIISLMDKLLRKENLDLKLTPYKVLATSTKHGFMQFIQSVPAEVLDTEGSIQ  
NFFRKYAPSETGPYGISAEVMDTYVKSCAGYCVITYILGVGDRHLDNLLLTKTGKLFHIDFGYILGRDPK  
PLPPPMKLNKEMVEGMGGTQSEYQEFRKQCYTAFLHLRRYSNLILNLFSLMVDANIPDIALEPDKTVKK  
ISCHRKM

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 96.8 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



[View online »](#)

<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Locus ID:</b>	225326
<b>UniProt ID:</b>	<a href="#">Q6PF93</a>
<b>RefSeq Size:</b>	3018
<b>Cytogenetics:</b>	18 B1
<b>RefSeq ORF:</b>	2541
<b>Synonyms:</b>	5330434F23, Vps34
<b>Summary:</b>	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 abscission 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 (By similarity).[UniProtKB/Swiss-Prot Function]