Recombinant Full Length Human PIK3C3 Protein, C-Flag-tagged

Cat. No. PIK3C3-1722HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PIK3C3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Enables 1-phosphatidylinositol-3-kinase activity. Involved in early endosome to late endosome transport and regulation of cytokinesis. Acts upstream of or within autophagy and protein lipidation. Located in autolysosome; late endosome; and midbody.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	101.4 kDa
AA Sequence	MGEAEKFHYIYSCDLDINVQLKIGSLEGKREQKSYKAVLEDPMLKFSGLYQETCSDL YVTCQVFAEGKPL ALPVRTSYKAFSTRWNWNEWLKLPVKYPDLPRNAQVALTIWD VYGPGKAVPVGGTTVSLFGKYGMFRQGM HDLKVWPNVEADGSEPTKTPGRTSST LSEDQMSRLAKLTKAHRQGHMVKVDWLDRLTFREIEMINESEKR SSNFMYLMVEF RCVKCDDKEYGIVYYEKDGDESSPILTSFELVKVPDPQMSMENLVESKHHKLARSLR SG PSDHDLKPNAATRDQLNIIVSYPPTKQLTYEEQDLVWKFRYYLTNQEKALTKFLK CVNWDLPQEAKQALE LLGKWKPMDVEDSLELLSSHYTNPTVRRYAVARLRQADDE DLLMYLLQLVQALKYENFDDIKNGLEPTKK DSQSSVSENVSNSGINSAEIDSSQIITS PLPSVSSPPPASKTKEVPDGENLEQDLCTFLISRACKNSTLA NYLYWYVIVECEDQD

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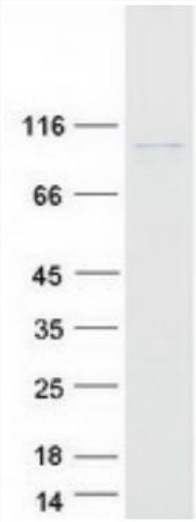
	TQQRDPKTHEMYLNVMRRFSQALLKGDKSVRVMRSLLAAQQTFVDRLVHLMKAVQ RESGNRKKKNERLQALLGDNEKMNLSDVELIPLPLEPQVKIRGIIPETATLFKSALMP AQLFFKTEDGGK YPVIFKHGDDLRQDQLILQIISLMDKLLRKENLDLKLTPYKVLATST KHGFMQFIQSVPVAEVLDTEGSI QNFFRKYAPSENGPNGISAEVMDTYVKSCAGYC VITYILGVGDRHLDNLLLTKTGKLFHIDFGYILGRDP KPLPPPMKLNKEMVEGMGGT QSEQYQEFRKQCYTAFLHLRRYSNLILNLFSLMVDANIPDIALEPDKTVK KVQDKFRLDLSDEEAVHYMQSLIDESVHALFAAVVEQIHKFAQYWRKTRTRPLEQKL ISEEDLAANDILDYKDDDDKV
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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system, Regulation of autophagy
Full Length	Full L.

GENE INFORMATION

Gene Name	PIK3C3 phosphatidylinositol 3-kinase catalytic subunit type 3 [Homo sapiens

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	(human)]
Official Symbol	PIK3C3
Synonyms	VPS34; Vps34; hVps34
Gene ID	5289
mRNA Refseq	NM_002647.4
Protein Refseq	NP_002638.2
MIM	602609
UniProt ID	Q8NEB9



Coomassie blue staining of purified PIK3C3 protein.

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