Human PIK3C3 Knockdown Cell Lysate

Cat. No. PIK3C3-390HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated PIK3C3 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	Enables 1-phosphatidylinositol-3-kinase activity. Involved in several processes, including early endosome to late endosome transport; macroautophagy; and phosphatidylinositol-3-phosphate biosynthetic process. Acts upstream of or within autophagy and positive regulation of protein lipidation. Located in autolysosome; late endosome; and midbody. Part of phosphatidylinositol 3-kinase complex, class III.
Form	Cell-Tissue Lysis buffer
Molecular Mass	102 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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

Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg PIK3C3 KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system, Regulation of autophagy
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	PIK3C3 phosphoinositide-3-kinase, class 3 [Homo sapiens (human)]
Official Symbol	PIK3C3
Synonyms	PIK3C3; phosphoinositide-3-kinase, class 3; phosphatidylinositol 3-kinase catalytic subunit type 3; Vps34; PI3K type 3; PI3-kinase type 3; PtdIns-3-kinase type 3; phosphatidylinositol 3-kinase p100 subunit; VPS34; hVps34; MGC61518;
Gene ID	5289
mRNA Refseq	NM_002647
Protein Refseq	NP_002638
MIM	602609
UniProt ID	Q8NEB9

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