

Human MLKL Knockdown Cell Lysate

Cat. No. MLKL-242HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated MLKL Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene belongs to the protein kinase superfamily. The encoded protein contains a protein kinase-like domain; however, is thought to be inactive because it lacks several residues required for activity. This protein plays a critical role in tumor necrosis factor (TNF)-induced necroptosis, a programmed cell death process, via interaction with receptor-interacting protein 3 (RIP3), which is a key signaling molecule in necroptosis pathway. Inhibitor studies and knockdown of this gene inhibited TNF-induced necrosis. High levels of this protein and RIP3 are associated with inflammatory bowel disease in children. Alternatively spliced transcript variants have been described for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	54 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.

 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

Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg MLKL KD HeLa cell lysate
Protein Families	Druggable Genome, Protein Kinase
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	MLKL mixed lineage kinase domain-like [Homo sapiens (human)]
Official Symbol	MLKL
Synonyms	MLKL; mixed lineage kinase domain-like; mixed lineage kinase domain-like protein; FLJ34389;
Gene ID	197259
mRNA Refseq	NM_001142497
Protein Refseq	NP_001135969
MIM	615153
UniProt ID	Q8NB16

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