

## Recombinant Human MLKL Protein (1-471 aa), His-tagged

**Cat. No.** MLKL-1701H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MLKL Protein (1-471 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length.                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 1-471 aa                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | Pseudokinase that plays a key role in TNF-induced necroptosis, a programmed cell death process. Activated following phosphorylation by RIPK3, leading to homotrimerization, localization to the plasma mbrane and execution of programmed necrosis characterized by calcium influx and plasma mbrane damage. Does not have protein kinase activity. |
| <b>Form</b>             | Tris-based buffer,50% glycerol                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 56.5 kDa                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MENLKHIITLGQVIHKRCEEMKYCKKQCRRLGHRVLGLIKPLEMLQDQGKRSVPSEK<br>LTTAMNRFKAALEEANGEIEKFSNRSNICRFLTASQDKILFKDVNRKLSDVWKELSL<br>LQVEQRMPVSPISQGASWAQEDQQDADEDRRAFQMLRRDNEKIEASLRRLEINMK<br>EIKETLRQYLPPKCMQEIPQEIQIKEIKKEQLSGSPWILLRENEVSTLYKGEYHRAPVAI<br>KVFKKLQAGSIAIVRQTFNKEIKTMKKFESPNILRIFGICIDETVTPPQFSIVMEYCELG                                   |

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TLRELLDREKDLTLGKRMVLVLGAARGLYRLHHSEAPELHGKIRSSNFLVTQGYQVK  
LAGFELRKTQTSMSLGTTREKTDREVSTAYLSPQELEDVFYQYDVKSEIYSFGIVLW  
EIATGDIPFQGCNSEKIRKLVAVKRQQEPLGEDCPSELREIIDECRAHDPSVRPSVDE  
ILKKLSTFSK

**Purity** > 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA with reconstitution instruction is sent along with the products.

## GENE INFORMATION

**Gene Name** [MLKL mixed lineage kinase domain-like \[ Homo sapiens \]](#)

**Official Symbol** [MLKL](#)

**Synonyms** MLKL; mixed lineage kinase domain-like; FLJ34389;

**Gene ID** [197259](#)

**mRNA Refseq** [NM\\_001142497](#)

**Protein Refseq** [NP\\_001135969](#)

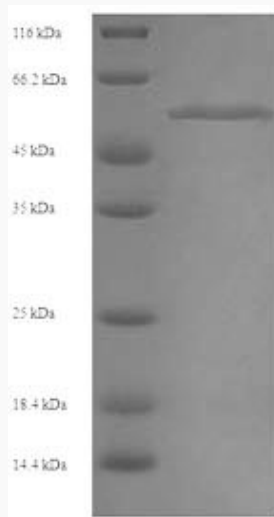
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UniProt ID

Q8NB16



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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