



# Recombinant Human MLKL Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07465

**Protein Name:** Mixed Lineage Kinase Domain Like Pseudokinase (MLKL)

**Aliases:** mixed lineage kinase domain like pseudokinase

**UniProt ID:** Q8NB16

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q8NB16/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length (1-471aa)

**Molecular Weight:** 70.5kDa

**Protein Tag:** N-terminal 6xHis-SUMO-tagged

## 2. Amino Acid Sequence (1-471aa)

MENLKHITLGQVIHKRCEEMKYCKKQCRRRLGHRVLGLIKPLEMLQDQGKRSVPSEK  
LTTAMNRFKAALEEANGEIEKFSNRSNICRFLTASQDKILFKDVNRKLSDVWKELSLL  
LQVEQRMPVSPISQGASWAQEDQQDAEDRRAFQMLRRDNEKIEASLRRLINMK  
EIKETLRQYLPPKCMQEIPQEIQEIKKEQLSGSPWILLRENEVSTLYKGEYHRAPVA  
IKVFKKLQAGSIAIVRQTFNKEIKTMKKFESPNILRIFGICIDETVTPPQFSIVMEYCELG  
TLRELLDREKDLTLGKRMVLVLGAARGLYRLHHSEAPELHGKIRSSNFLVTQGYQV  
KLAGFELRKTQTSMSLGTTRKTDVVKSTAYLSPQELEDVFYQYDVKSEIYSFGIVL  
WEIATGDIPFQGCNSEKIRKLVAVKRQQEPLGEDCPSELREIIDECAHDPSPVRPSV  
DEILKKLSTFSK

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



## **4. Storage Conditions**

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## **5. Product Description**

This product is a recombinant Human MLKL full length protein (1-471aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. MLKL, also known as mixed lineage kinase domain like pseudokinase, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## **6. Notes**

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.