

Recombinant Full Length Human MLKL Protein, GST-tagged

Cat. No. MLKL-6980HF Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human full-length MLKL(1 a.a. - 471 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.

Species Human

Source In Vitro Cell Free System

ProteinLength 471 amino acids

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.

Molecular Mass 80.9 kDa

AA Sequence MENLKHIIITLGQVIHKRCEEMKYCKKQCRRRLGHRVGLIKPLEMLQDQGKRSVPSEK
LTTAMNRFKAALEEANGE IEKFSNRSNICRFLTASQDKILFKDVNRKLSDVWKESSL
LQVEQRMPVSPISQGASWAQEDQQDADEDRAAFQM LRRDNEKIEASLRRLINMK
EIKETLRQYLPPKCMQEIPQEIQIKEIKKEQLSGSPWILLRENEVSTLYKGEYHRA PVA

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IKVFKKLQAGSIAIVRQTFNKEIKTMKKFESPNILRIFGICIDETVTPPQFSIVMEYCELG
 TLRELLDREKD LTLGKRMVLVLGAARGLYRLHHSEAPELHGKIRSSNFLVTQGYQV
 KLAGFELRKTQTSMSTLGTREKTDRVKSTA YLSPQELEDVFYQYDVKSEIYSFGIVL
 WEIATGDIPFQGCNSEKIRKLVAVKRQQEPLGEDCPSSELREIIDECRA HDPSVRPSV
 DEILKKLSTFSK

Applications ELISA; WB-Re; AP; Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.

GENE INFORMATION

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

Official Symbol [MLKL](#)

Synonyms MLKL; mixed lineage kinase domain-like; mixed lineage kinase domain-like protein; hMLKL

Gene ID [197259](#)

mRNA Refseq [NM_152649](#)

Protein Refseq [NP_689862](#)

MIM [615153](#)

UniProt ID [Q8NB16](#)

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