

Recombinant Mouse Mlkl protein, His-tagged

Cat. No. MLKL-9880M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mlkl(1-472aa) fused with His tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	1-472aa
Description	This gene belongs to the protein kinase superfamily. The encoded protein contains a protein kinase-like domain; however, is thought to lack protein kinase 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. Knockout of this gene in mice showed that it is essential for necroptosis. Alternatively spliced transcript variants have been found for this gene.
Form	Tris-based buffer,50% glycerol
Molecular Mass	56.3kD
AA Sequence	MDKLGQIIKLGQLIYEQCEKMKYCRKQCQRLGNRVHGLLQPLQRLQAQGKKNLPDD ITAALGRFDEVLKEANQQI EKFSKKSHIWKFVSVGNDKILFHEVNEKLRDVWEELLLL LQVYHWNTVSDVSQPASWQQEDRQDAEEDGNENMKV ILMQLQISVEEINKTLKQC SLKPTQEIPQDLQIKEIPKEHLGPPWTKLKT SKMSTIYRGEYHRSPVTIKVFNNPQ AE SVGIVRFTFNDEIKTMKKFDSPNLRIFGICIDQTVKPPEFSIVMEYCELGTLRELLDRE

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KDLTMSVRSLLVL RAARGLYRLHHSETLHRNIISSSSFLVAGGYQVKLAGFELSKTQN
 SISRTAKSTKAERSSSTIYVSPERLKNPFCL YDIKAEIYSFGIVLWEIATGKIPFEGCDS
 KKIRELVAEDKKQEPVGQDCPELLREINECRAHEPSQRPSVDGRS LSGRERILERL
 SAVEESTDKKV

Purity >90% (SDS-PAGE)

Storage Store at -20 centigrade for extended storage conserve at -20 centigrade or -80 centigrade. Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

GENE INFORMATION

Gene Name [Mlkl mixed lineage kinase domain-like \[Mus musculus \]](#)

Official Symbol [Mlkl](#)

Synonyms MLKL; mixed lineage kinase domain-like; mixed lineage kinase domain-like protein; 9130019I15Rik;

Gene ID [74568](#)

mRNA Refseq [NM_029005](#)

Protein Refseq [NP_083281](#)

MIM

UniProt ID [Q9D2Y4](#)

Chromosome Location 8; 8 D3

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Function

ATP binding; protein kinase activity; transferase activity, transferring phosphorus-containing groups;

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