

## Product datasheet for **SC208649**

### MLKL (NM\_001142497) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** MLKL (NM\_001142497) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** MLKL  
**Synonyms:** hMLKL  
**ACCN:** NM\_001142497  
**Insert Size:** 679 bp  
**Insert Sequence:** >SC208649 3'UTR clone of NM\_001142497  
The sequence shown below is from the reference sequence of NM\_001142497. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTAAAGAACTCTCCACCTTTTCTAAGTAGTGTATCAAAATCTAAACCAAGGAGTCTCTGGACAAGAAG
CTGGGAGAGGCACAAACTGGACATCTCTCTCATATCCTTCGGCATTGGGTTATCTATGGGTGCAA
GGAGTGGGCACGCTTCTCTGTTACAAATAGAAAACGATTCCAGTCATACAGGACACATCCCACTCCAAA
TGATATTTCCAAAAACATACCTCTGACAGTAACCTTTGATAGATGGTTTGCAAATGTATCTTTCTGGGT
ATCCACACCTCTTGGCAATGAAATTTGCAGCTCCTCCCTTCCATAAATGAAGTCTCTTTCCCAACATT
TGAATCTGGGCTGGCACTGTGACTTGATTTGATCAATAGAATGTGGAAGAAGTACTGTATGCCAGTTC
CAAGCCTAGGTTTCAAGAGGCCTTATAAATGTCTGTTGGAACCTTACCCAGCCATGAACATGTTGAGTG
AGCATGCTGGAGAATGAGAGACCACATGAAGCAGAAACATGCTTTCTAGCTGAAGTCATACTAGCCCA
ACCAACATGGCAGCTAACACATGAATGAGGCCAATCAAGACCAGAAGAACCCTCAAGCAGATCCCAGC
CCAAATTGCCATTACACAATCAGGAGCTAAATAAATTACTGTTGTCTTAACACTAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-Mlul

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



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RefSeq: [NM\\_001142497.3](#)

**Summary:** 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. [provided by RefSeq, Sep 2015]

**Locus ID:** 197259

**MW:** 25.4