

Recombinant Human MLF1 protein, His-tagged

Cat. No. MLF1-3438H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MLF1(1-268aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-268 a.a.
Description	MLF1 (Myeloid leukemia factor 1) belongs to MLF family, and is a widely expressed negative regulator of cell cycle progression functioning upstream of the tumor suppressor p53. This protein interferes with erythropoietin-induced erythroid terminal differentiation by preventing cells from exiting the cell cycle through suppression of CDKN1B/p27Kip1 levels. MLF1 normally functions in multi-potent progenitor cells, and its dysregulation may be somewhat responsible for leukemogenesis.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 5mM DTT, 200mM NaCl
Molecular Mass	32.8kDa (288aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSHSFQTMDQMVS NMRNYMQKLE RNFGQLSVDP NGHSFCSSSV MTYSKIGDEP PKVFQASTQT RRAPGGIKET RKAMRDSDSG LEKMAIGHHI MFRMLNSSFE DDPFFSESIL AHRENMRQMI RSFSEPFGRD

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LLSISDGRGR AHNRRGHNDG EDSLTHTDVSHDRAHVIKKS KNKKTGDEEV
 NQEFINMNES DAHAFDEEWQ SEVLKYKPGR HNLGNTRMRS VGHENPGSRE
 LKRREKPQQS PAIEHGRRSNVLGDKLHIKG SSVKSNKK

Purity >85% by SDS - PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name MLF1 myeloid leukemia factor 1 [Homo sapiens]

Official Symbol MLF1

Synonyms MLF1; myeloid leukemia factor 1; myeloid leukemia factor 1 variant 1; myeloid leukemia factor 1 variant 2; myeloid leukemia factor 1 variant 3; myelodysplasia-myeloid leukemia factor 1;

Gene ID 4291

mRNA Refseq NM_022443

Protein Refseq NP_071888

MIM 601402

UniProt ID P58340

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Chromosome Location	3q25
Pathway	Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;
Function	DNA binding; DNA binding; protein binding; protein domain specific binding;

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