

MLF1, 1-268aa, Human, His tag, E.coli

Cat.NO.: TP02984

3th Edition

Synonyms:Myeloid leukemia factor 1

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 Weight:32.8kDa (288aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMFRMLNSSFEDDPFFSEILAHRENMRQMIRSFSEPFGRDLLSISDGRGRAHNR
GHNDGEDSLTHTDVSSFQTMQMVSNMRNYMQKLERNFGQLSVDPNGHSFCSSSVMTYSKIGDEPPKVFQAST
QTRRAPGGIKETRKAMRSDSGLEKMAIGHHHHDRAHVIKKSKNKKTGDEEVNQEFINMNESDAHAFDEEWQSEVL
KYKPGRHNGLNTRMRSVGHENPGSRELKRREKPPQSPAIEHGRRSNVLGDKLHIKSSSVKSNKK

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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