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32-4215: Recombinant Human Myeloid Leukemia Factor 1

Alternative Name : Myeloid leukemia factor 1,Myelodysplasia-myeloid leukemia factor 1,MLF1.

Description

Source : Escherichia Coli. MLF1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 288 amino acids (1-268 a.a.) and having a molecular mass of 32.8kDa (Molecular weight on SDS-PAGE will appear higher). The MLF1 is purified by proprietary chromatographic techniques. Myeloid leukemia factor 1 (MLF1) is a member of the MLF family, and is a widely expressed negative regulator of cell cycle progression functioning upstream of the tumor suppressor p53. MLF1 hinders the erythropoietin-induced erythroid terminal differentiation by averting cells from exiting the cell cycle through suppression of CDKN1B/p27Kip1 levels. MLF1 generally functions in multi-potent progenitor cells, and its dysregulation may be to some extent responsible for leukemogenesis. Translocations between the MLF1 gene and nucleophosmin are linked to myelodysplastic syndrome and acute myeloid leukemia.

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The MLF1 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 5mM DTT and 200mM NaCl.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MFRMLNSSFE DDPFFSESIL AHRENMRQMI RSFSEPFGRD LLSISDGRGR AHNRRGHNDG EDSLTHTDVS SFQTMDQMVS NMRNYMQKLE RNFGQLSVDP NGHSFCSSSV MTYSKIGDEP PKVFQASTQT RRAPGGIKET RKAMRDSDSG LEKMAIGHHI HDRAHVIKKS KNKKTGDEEV NQEFINMNES DAHAFDEEWQ SEVLKYKPGR HNLGNTRMRS VGHENPGSRE LKRREKPQQS PAIEHGRRSN VLGDKLHIKG SSVKSNKK.