9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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MLF1 Human

Myeloid Leukemia Factor 1 Human Recombinant
RCP1373

Product Overview

Name	MLF1 Human
Description	
Myeloid Leukemia Factor 1 Human Recombinant	
Accession (Primary)	P58340
Synonyms	
Myeloid leukemia factor 1, Myelodysplasia-myeloid leukemia factor 1, MLF1.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The MLF1 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 5mM DTT and 200mM NaCl.	
Stability	
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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MFRMLNSSFE DDPFFSESIL AHRENMRQMI RSFSEPFGRD LLSISDGRGR AHNRRGHNDG EDSLTHTDVS SFQTMDQMVS NMRNYMQKLE RNFGQLSVDP NGHSFCSSSV MTYSKIGDEP PKVFQASTQT RRAPGGIKET RKAMRDSDSG LEKMAIGHHI HDRAHVIKKS KNKKTGDEEV NQEFINMNES	

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DAHAFDEEWQ SEVLKYKPGR HNLGNTRMRS VGHENPGSRE LKRREKPQQS PAIEHGRRSN VLGDKLHIKG SSVKSNKK.

Precautions

MLF1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P58340)