
Product Data Sheet

Product Name: MCL1 Human
 Cat. No.: GP23900
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Myeloid cell leukemia sequence 1 (BCL2-related); induced myeloid leukemia cell differentiation protein Mcl-1; myeloid cell leukemia ES; Bcl-2-related protein EAT/mcl1; Bcl-2-like protein 3; MCL1-ES; MCL1S; mcl1/EAT; BCL2L3; MCL1L.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MFGLKRNAVI GLNLYCGGAG LGAGSGGATR PGGRLLATEK EASARREIGG GEAGAVIGGS AGASPPSTLT PDSRRVARPP PIGAEVPDVT ATPARLLFFA PTRRAAPLEE MEAPAADAIM SPEEELDGYE PEPLGKRPAV LPLLELVGES GNNTSTDGSL PSTPPPAEEE EDELYRQSLE IISRYLREQA TGAKDTKPMG RSGATSRKAL ETLRRVGDGV QRNHETAFQG MLRKLDIKNE DDVKSLSRVM IHVFS DGVTN WGRIVTLISF GAFVAKHLKT INQESCIEPL AESITDVLVR TKRDWLVKQR GWDGFVEFFH VEDLEGG.		
Formulation	The MCL1 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 2mM DTT and 20% glycerol.		

Introduction

MCL1 is a member of the Bcl-2 family. MCL1 takes part in the control of apoptosis against cell existence, and in the preservation of viability but not of proliferation. Alternative splicing happens at this locus and two transcript variants encoding different isoforms are known. Isoform 1 is the longer gene product and it increases cell existence by inhibiting apoptosis. Isoform 2 is a shorter gene product which induces apoptosis and is death-inducing.

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%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

MCL1 Human Recombinant produced in E. coli is a single polypeptide chain containing 347 amino acids (1-327) and having a molecular mass of 37.2 kDa. MCL1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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