

## 32-4186: Recombinant Human Myeloid Cell Leukemia Sequence 1

**Alternative Name :**

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.

### Description

Source : E.coli. 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. 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.

### Product Info

**Amount :**

10 µg

**Purification :**

Greater than 90% as determined by SDS-PAGE.

**Content :**

The MCL1 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 2mM DTT and 20% glycerol.

**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 SGLVPRGSH MFGLKRNAV IGLNLYCGGAG LGAGSGGATR PGGRLATEK  
EASARREIGG GEAGAVIGGS AGASPPSTLT PDSRRVARPP PIGAEVPDVT ATPARLLFFA PTRRAAPLEE  
MEAPAADAIM SPEEELDGYE PEPLGKRPAV LPLELVGES GNNTSTDGSL PSTPPPAEEE EDELYRQSLE  
IISRYLREQA TGAKDTKPMG RSGATSRKAL ETLRRVGDGV QRNHETAFQG MLRKLDIKNE DDVKSLSRVM  
IHFVSDGVTN WGRIVTLISF GAFVAKHLKT INQESCIEPL AESITDVLVR TKRDWLVKQR GWDGFVEFFH  
VEDLEGG.

