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# MCL1 Human

**Catalog #:**PRPS-1209

For research use only.

**Description:**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.

**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.

**Source:**E.coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**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 ET

**Purity:**Greater than 90% as determined by SDS-PAGE.

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

**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.

**Usage:**
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

**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 indorses apoptosis and is death-inducing.

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