

MCL1, 1-327aa, Human, His tag, E.coli

Cat.NO.: TP02929

3th Edition

Synonyms: induced myeloid leukemia cell differentiation protein Mcl-1, BCL2L3, mcl1/EAT, , myeloid cell leukemia sequence 1 , Bcl-2-like protein 3.

Description: MCL1, also known as BCL2L3, belongs to the Bcl-2 family. MCL1 is involved in the regulation of apoptosis versus cell survival, and in the maintenance of viability but not of proliferation. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. The longer gene product (isoform 1) enhances cell survival by inhibiting apoptosis while the alternatively spliced shorter gene product (isoform 2) promotes apoptosis and is death-inducing.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 2mM DTT

Molecular Weight: 37.2 kDa (347aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMFGLKRNAVIGLNLYCGGAGLGAGSGGATRPGGRLLATEKEASARREIGGGEAG
AVIGGSAGASPPSTLTPDSRRVARPPPIGAEVPDVTATPARLLFFAPTRRAAPLEEMEAPAADAIMSPEEELDGYEP
EPLGKRPAVLPLLELVGESNNTSTDGSLPSTPPPAEEEEDELYRQSLEIISRYLREQATGAKDTKPMGRSGATSRK
ALETLRRVGDGVQRNHETAFQGMLRKLDIKNEDDVKSLSRVMIHVFSDGVTNWGRIVTLISFGAFVAKHLKTINQES
CIEPLAESITDVLVVRTKRDWLKQRGWDGFVEFFHVEDLEGG

Purity: > 95% by HPLC

Concentration: 0.25 mg/ml

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.