Recombinant Human MCL1, His-tagged

Cat. No. MCL1-781H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MCL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-327aa
Description	This gene encodes an anti-apoptotic protein, which is a member of the Bcl-2 family. Alternative splicing results in multiple transcript variants. The longest gene product (isoform 1) enhances cell survival by inhibiting apoptosis while the alternatively spliced shorter gene products (isoform 2 and isoform 3) promote apoptosis and are death-inducing.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 2mM DTT
Molecular Mass	37.2 kDa (347aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH PDSRRVARPP PIGAEVPDVT ATPARLLFFA PTRRAAPLEE MEAPAADAIM SPEEELDGYE PEPLGKRPAV LPLLELVGES GNNTSTDGSL MFGLKRNAVI GLNLYCGGAG LGAGSGGATR PGGRLLATEK EASARREIGG GEAGAVIGGS AGASPPSTLT PSTPPPAEEE EDELYRQSLE IISRYLREQA TGAKDTKPMG RSGATSRKAL ETLRRVGDGV QRNHETAFQG

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	MLRKLDIKNE DDVKSLSRVM IHVFSDGVTN WGRIVTLISF GAFVAKHLKT INQESCIEPL AESITDVLVR TKRDWLVKQR GWDGFVEFFH VEDLEGG
Purity	> 90% by SDS - PAGE
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.
Concentration	0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	MCL1 myeloid cell leukemia 1 [Homo sapiens (human)]
Official Symbol	MCL1
Synonyms	MCL1; myeloid cell leukemia sequence 1 (BCL2-related); induced myeloid leukemia cell differentiation protein Mcl-1; BCL2L3; Mcl 1; bcl-2-like protein 3; myeloid cell leukemia ES; bcl-2-related protein EAT/mcl1; TM; EAT; MCL1L; MCL1S; Mcl-1; MCL1-ES; bcl2-L-3; mcl1/EAT; MGC1839; MGC104264
Gene ID	4170
mRNA Refseq	NM_021960
Protein Refseq	NP_068779
MIM	159552
UniProt ID	Q07820

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Chromosome Location	1q21
Pathway	Apoptosis Modulation and Signaling; E2F transcription factor network; IL-7 Signaling Pathway
Function	BH3 domain binding; protein channel activity; protein heterodimerization activity

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