Recombinant human MCL1 protein

Catalog Number: ATGP1696

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-327aa

UniProt No.
Q07820

NCBI Accession No.
NP_068779.1

Alternative Names
induced myeloid leukemia cell differentiation protein Mcl-1, BCL2L3, mcl1/EAT, myeloid cell leukemia sequence 1, Bcl-2-like protein 3

PRODUCT SPECIFICATION

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

Concentration
0.25mg/ml (determined by Bradford assay)

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

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human MCL1 protein, fused to His-tag at N-terminus,

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was expressed in E. coli and purified by using conventional chromatography techniques

Amino acid Sequence

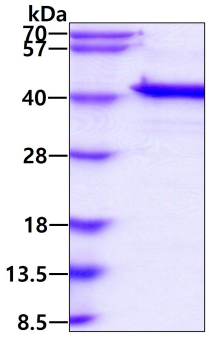
<MGSSHHHHHH SSGLVPRGSH> MFGLKRNAVI GLNLYCGGAG LGAGSGGATR PGGRLLATEK EASARREIGG GEAGAVIGGS AGASPPSTLT PDSRRVARPP PIGAEVPDVT ATPARLLFFA PTRRAAPLEE MEAPAADAIM SPEEELDGYE PEPLGKRPAV LPLLELVGES GNNTSTDGSL PSTPPPAEEE EDELYRQSLE IISRYLREQA TGAKDTKPMG RSGATSRKAL ETLRRVGDGV QRNHETAFQG MLRKLDIKNE DDVKSLSRVM IHVFSDGVTN WGRIVTLISF GAFVAKHLKT INQESCIEPL AESITDVLVR TKRDWLVKQR GWDGFVEFFH VEDLEGG

General References

Bingle C.D., et al. (2000) J. Biol. Chem. 275:22136-22146
Bae J., et al. (2000) J. Biol. Chem. 275:25255-25261

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.