

Recombinant Human MCL1, GST-tagged

Cat. No. MCL1-782H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human MCL1 was expressed as gst-tagged fusion protein by E.Coli and purified by GSH-sepharose.

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.

Storage The protein is stored in PBS buffer at -20 oC. Repeated freeze-thaw cycles should be avoided.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name [MCL1 myeloid cell leukemia sequence 1 \(BCL2-related\) \[Homo sapiens \(human\) \]](#)

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Official Symbol	MCL1
Synonyms	MCL1; TM; EAT; MCL1L; MCL1S; Mcl-1; BCL2L3; MCL1-ES; bcl2-L-3; mcl1/EAT; myeloid cell leukemia sequence 1 (BCL2-related); induced myeloid leukemia cell differentiation protein Mcl-1; bcl-2-like protein 3; myeloid cell leukemia ES; bcl-2-related protein EAT/mcl1
Gene ID	4170
mRNA Refseq	NM_021960
Protein Refseq	NP_068779
MIM	159552
UniProt ID	Q07820
Chromosome Location	1q21
Pathway	Apoptosis Modulation and Signaling; Direct p53 effectors; HIF-1-alpha transcription factor network
Function	BH3 domain binding; protein binding; protein channel activity

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