

Recombinant Human MCL1 protein, His-tagged

Cat. No. MCL1-780H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MCL1(Arg6~Ile328) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg6~Ile328
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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300
Molecular Mass	38.4kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

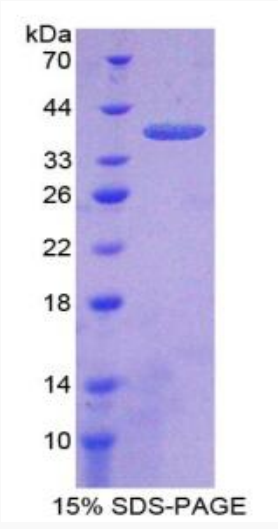
GENE INFORMATION

Gene Name	MCL1 myeloid cell leukemia sequence 1 (BCL2-related) [Homo sapiens]
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_001197320
Protein Refseq	NP_001184249
MIM	159552
UniProt ID	Q07820

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Chromosome Location	1q21
Pathway	Apoptosis, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; IL-7 Signaling Pathway, organism-specific biosystem; IL6-mediated signaling events, organism-specific biosystem;
Function	BH3 domain binding; protein binding; protein channel activity; protein heterodimerization activity;
 15% SDS-PAGE	