

Recombinant Human MCL1 protein, His-tagged

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

SPECIFICATION

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|-------------------------|---|
| 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 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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](#)

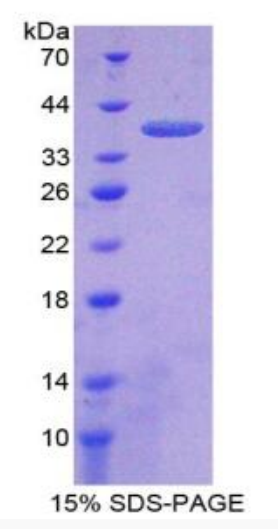
MIM [159552](#)

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; |
|  <p>15% SDS-PAGE</p> | |

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