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# (Mouse) Mlf1 Blocking Peptide (Center)

**Synthetic peptide**
**Catalog # BP21445c**

## Specification

### (Mouse) Mlf1 Blocking Peptide (Center) - Product Information

Primary Accession Q9QWV4

### (Mouse) Mlf1 Blocking Peptide (Center) - Additional Information

**Gene ID** 17349

**Other Names**
Myeloid leukemia factor 1, Hematopoietic lineage switch 7, Myelodysplasia-myeloid leukemia factor 1, Mlf1, Hls7

**Target/Specificity**
The synthetic peptide sequence is selected from aa 91-106 of HUMAN Mlf1

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### (Mouse) Mlf1 Blocking Peptide (Center) - Protein Information

**Name** Mlf1

**Synonyms** Hls7

**Function**
Involved in lineage commitment of primary hemopoietic progenitors by restricting erythroid formation and enhancing myeloid formation. Interferes with erythropoietin-induced erythroid terminal differentiation by preventing cells from exiting the cell cycle through suppression of CDKN1B/p27Kip1 levels. Suppresses COP1 activity via CSN3 which activates p53 and induces cell cycle arrest. Binds DNA and affects the expression of a number of genes so may function as a transcription factor in the nucleus.

**Cellular Location**
Cytoplasm. Nucleus. Cell projection, cilium. Cytoplasm, cytoskeleton, cilium basal body. Note=Shuttles between the cytoplasm and nucleus.

**Tissue Location**

Highly expressed in skeletal muscle, heart, testis. Also found in lung, but not in spleen, thymus, bone marrow, liver and kidney.

## (Mouse) Mlf1 Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

## (Mouse) Mlf1 Blocking Peptide (Center) - Images

## (Mouse) Mlf1 Blocking Peptide (Center) - Background

Involved in lineage commitment of primary hemopoietic progenitors by restricting erythroid formation and enhancing myeloid formation. Interferes with erythropoietin-induced erythroid terminal differentiation by preventing cells from exiting the cell cycle through suppression of CDKN1B/p27Kip1 levels. Suppresses RFWD2/COP1 activity via CSN3 which activates p53 and induces cell cycle arrest. Binds DNA and affects the expression of a number of genes so may function as a transcription factor in the nucleus.

## (Mouse) Mlf1 Blocking Peptide (Center) - References

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